

2018 Virginia Toxics Release Inventory Report

Summary of Data from 2018 Industry Reports



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Virginia Department of Environmental Quality

Mission and Programs

It is the mission of the Virginia Department of Environmental Quality (DEQ) to protect the environment in order to promote the health and well-being of Virginians. To this end, DEQ implements numerous programs that range from the media-specific (air quality, water quality and waste management) to particular areas (such as the Chesapeake Bay and the Virginia Coastal Zone Management Area), to more specific programs (such as Small Business Assistance and Citizen Water Quality Monitoring). DEQ is committed to pollution prevention and elimination, or reduction of waste, at the source of generation. An example of a pollution prevention program is the Virginia Environmental Excellence Program, which encourages businesses and organizations to go beyond legal requirements and adopt environmental management systems.

All sectors of government, businesses and industry – and Virginia’s citizens – have a role in managing and controlling the release of toxic chemicals in the Commonwealth of Virginia.

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Summary

In March of each year, the Virginia Department of Environmental Quality (DEQ) publishes the Virginia Toxics Release Inventory (TRI) Report, pursuant to Virginia Code § 10.1-1186.1. The TRI program continues to fulfill its goal of providing chemical use, release and waste management information to the public. The Virginia TRI Report contains information on the release or other management of listed chemicals and chemical categories, as reported by Virginia industries in specified industrial sectors and by federal facilities located within the commonwealth. Facility reports are required by Title III of the federal Superfund Amendment and Reauthorization Act (SARA Title III), also known as the Emergency Planning and Community Right-to-Know Act (EPCRA). The Virginia TRI Report is a multi-media report covering air, water and waste management activities, and addresses a variety of handling practices, including releases, recycling, energy recovery, and on- and off-site treatment and disposal. The 2018 TRI data represents the 31st year of data collection from facilities for distribution to the public.

This year's Virginia TRI Report covers calendar year 2018, which is the most recent year of available data. The report includes all reports and revisions received by DEQ on or before Jan. 9, 2020.

Between 2005 and 2015 there has been an overall decrease in the total amount of TRI reportable chemicals managed of over 41.88 percent as shown in the table in Appendix E.

For calendar year 2018, 423 Virginia facilities filed 1,322 individual reports on the release, transfer, or management of TRI chemicals or chemical categories. This was an increase in the number of facilities reporting (422 facilities) and a decrease in the number of reports received (1,328 reports) for calendar year 2017. In 2018, Virginia facilities reported the release, transfer, or management of 139 chemicals and chemical categories, of the more than 650 chemicals and chemical categories which are subject to the TRI reporting requirements.

According to the reports, Virginia facilities reported the release, transfer, or on-site management of 852.33 million pounds of TRI chemicals during calendar year 2018 (a 5.56 percent decrease from 2017).

Of the total of TRI chemicals reported:

- 28.25 million pounds were released on-site (an 8.27 percent decrease from 2017);
- 66.15 million pounds were transferred off-site for treatment, recycling, energy recovery, or disposal (an 8.70 percent increase from 2017); and
- 757.93 million pounds were managed on-site by treatment, recycling, or energy recovery (a 6.53 percent decrease from 2017).

TRI reports for reporting year 2018 show a decrease in releases to water, air and land. Results from the most recent TRI data show the total amount of TRI chemicals as released:

- The total amount released to air for 2018 decreased by 3,412 pounds (0.02 percent) compared to 2017.

- The total amount released to water for 2018 decreased by 2.16 million pounds (19.12 percent) compared to 2017.
- The total amount released to land for 2018 decreased by 384,480 pounds (12.87 percent) compared to 2017.

The Virginia TRI Report addresses separately those TRI chemicals the U.S. Environmental Protection Agency (EPA) has designated as Persistent Bio-accumulative Toxins (PBTs). These chemicals remain in the environment for long periods, are not readily destroyed, and build up or accumulate in body tissue. Risk to human health depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Chemical releases are managed by a variety of environmental permits.

According to the 2018 PBT reports:

- 291,741 pounds of PBT TRI chemicals were released on-site at reporting Virginia facilities (a 17.82 percent decrease from 2017);
- 1.27 million pounds of PBT TRI chemicals were transferred off-site for treatment, recycling, energy recovery, or disposal (a 69.49 percent increase from 2017); and
- 58,582 pounds of PBT TRI chemicals were managed on-site by treatment, recycling, or energy recovery (a 17.53 percent decrease from 2017).

Dioxins and dioxin-like compounds account for 21.06 grams (approximately 0.05 pounds) of the PBT chemicals released, transferred, or managed by Virginia facilities during calendar year 2018.

As required by statute, the Virginia TRI Report also provides information by industrial sector (identified by the North American Industry Classification System), facility, and facility location (jurisdiction). For calendar year 2018, three reporting industrial sectors accounted for 70.21 percent of the total on-site releases to the environment. The top three reporting industrial sectors were: Chemical Manufacturing, Paper Manufacturing, and Utilities. The text of the report provides additional information about the industrial sectors, facilities, and jurisdictions with the largest reported on-site release, on-site management, and other management of TRI chemicals.

The Virginia TRI Report provides the public with information concerning specified toxic chemicals and chemical compounds that are manufactured, processed, or otherwise used at Virginia facilities. Responsible use of the information can help the public and industry identify potential concerns and develop effective strategies for reducing toxic chemical usage and release. The TRI data does not, however, represent a measure of public exposure to chemicals, nor does it assess risk.

The overwhelming majority of the releases are regulated and permitted under other state and federal programs that are designed to protect human health and the environment. These programs include federal programs such as the Clean Air Act (CAA), Clean Water Act (CWA), and the Resource Conservation and Recovery Act (RCRA) and accompanying state laws such as the State Water Control Law, Air Pollution Control Board Law, and Virginia Waste Management Act. These programs include overall restrictions and standards established through permits or other applicable requirements.

Information on the permit programs can be found at the following web address:

<http://www.deq.virginia.gov/Permits.aspx>.

Because of differences in report generation schedules and receipt of reports, the information in the Virginia TRI Report will not precisely match the information in the national Toxics Release Inventory - Public Data Release, located at <http://www2.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>, as published by EPA.

Introduction

Part One - Virginia TRI Reporting

Statutory and Regulatory Basis

The Virginia TRI Report is published annually pursuant to Virginia Code § 10.1-1186.1. The TRI Report contains information on the release, transfer, or management of listed chemicals and chemical categories, as reported by more than 400 Virginia industries and federal facilities. The facilities are required to submit their reports pursuant to the federal Emergency Planning and Community Right-to-Know Act (EPCRA), also known as SARA Title III.¹ Virginia Code § 10.1-1186.1 directs DEQ to publish the Virginia TRI Report in March of each year and to include information for the most recent calendar year for which data are available, in this case, the calendar year 2018. The Virginia Code also directs the report to be organized by chemical, facility, facility location, and standard industrial classification (SIC) code. Federal regulations require facilities to submit their TRI reports to the U.S. Environmental Protection Agency (EPA) and to the Commonwealth. The Virginia TRI Report is compiled directly from the reports received from Virginia facilities.

A glossary of terms used in the Virginia TRI Report is included as Appendix A.

Current Year (2018) Virginia Facility Reports

Facilities are required to submit their reports for a calendar year by the following July 1st. For example, facilities were required to file their reports on their calendar year 2018 activities on or before July 1, 2019. Therefore, data for calendar year 2018 is the most recent available for the March 2020 report. This TRI Report includes all facility reports and revisions received by DEQ on or before January 7, 2020.

For reporting year 2018, 423 Virginia facilities filed 1,322 individual reports on the release or other management of TRI chemicals or chemical categories, compared to 422 facilities and 1,328 reports that were filed for reporting year 2017. Data for all reporting years are available to the public from DEQ.

A digital copy of the current reporting year 2018 TRI report and appendices, as well as reporting years 2011-2017 TRI reports, are available at:

<http://www.DEQ.Virginia.gov/Programs/Air/AirQualityPlanningEmissions/SARATitleIII/SARA313ToxicsReleaseInventory.aspx>

In 2018, Virginia facilities reported the release, transfer, or management of 139 of the more than 650 chemicals and chemical categories, which are subject to TRI reporting requirements.

Changes to the 2018 Virginia TRI Report

Continuing the policy changes which began with the 2002 report, on Dec. 26, 2017, EPA finalized a rule to update the list of NAICS codes reportable to TRI requiring the use of the 2017 NAICS codes reports due on July 1, 2019.

¹ 42 U.S.C. § 11023, or SARA § 313

Assessing risk is beyond the scope of the report and is subject to site-specific interpretations and calculations. Readers are encouraged to use the resources listed in the report, appendices, and other data to analyze the overall use, release, and management of TRI chemicals.

Virginia is one of 37 states participating in the State Data Exchange program for online data collection of TRI reports. States which join the TRI State Data Exchange can save resources by sending all of their data electronically via the Central Data Exchange (CDX). Participating states may be viewed at the following site <http://www2.epa.gov/toxics-release-inventory-tri-program/tri-data-exchange>.

Part Two - National Toxics Release Inventory Reporting Program

The National Toxics Release Inventory

The National Toxics Release Inventory was established to provide information to the public about the presence and release of toxic and hazardous chemicals in their communities. The Virginia TRI Report is compiled directly from reports Virginia facilities submit under federal law and regulations.² Using those same authorities, EPA compiles and maintains nationwide information in the *Toxics Release Inventory – National Analysis*, which is available to the public on EPA’s website at <http://www.epa.gov/tri/>. From inception, the national TRI program and Virginia’s program have been expanding and evolving to meet the needs of an informed public. A list of supplementary resources on the program can be found in Appendix B and more detailed information about the historical changes to the TRI program can be found in Chapter Four.

Facilities Which Must Report

Under the national TRI program, a facility must submit a TRI report (or reports) to EPA and the state for the reporting year if:

- 1) The facility has 10 or more full-time employees** (a combined total for all employees of 20,000 hours or more for the year);
- 2) The facility’s primary business is within one of the covered North American Industrial Classification System (NAICS) codes.** The covered industry sectors include metal mining, coal mining, paper and allied products, chemicals and allied products, petroleum terminals and bulk stations and others. The complete list of covered industry groups is provided in Appendix H; and
- 3) The facility manufactured, processed, or otherwise used a reportable toxic chemical in quantities greater than the established threshold during the course of a calendar year.** The annual reporting thresholds for non-PBT TRI chemicals are 25,000 pounds for manufacturing, 25,000 pounds for processing, and 10,000 pounds for "otherwise use." For PBT chemicals, the thresholds for reporting are lower and vary by chemical. For example, dioxin and dioxin-like compounds have a threshold of 0.1 grams, while lead and lead compounds have a reporting threshold of 100 pounds. For PBT chemicals, these lower reporting thresholds apply whether the chemical is manufactured, processed, or otherwise used.

² The national TRI was established under Title III, Section 313, of the Federal Superfund Amendments and Reauthorization Act (SARA), which is also known as the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), 42 U.S.C § 11023. The related federal regulations are found at 40 CFR Part 372.

A TRI reporting threshold screening tool is available on EPA’s website at the following address:
<https://www.epa.gov/toxics-release-inventory-tri-program/tri-threshold-screening-tool>.

Federal facilities also are required to comply with EPCRA and the Pollution Prevention Act (PPA) of 1990, in accordance with Executive Order 13148. The Executive Order requires all federal facilities which manufacture, process, or otherwise use any listed EPCRA Section 313 chemical above the reporting threshold to submit a TRI report. The first federal facility reports were submitted on or before July 1, 1995, for calendar year 1994.

Chemicals and Chemical Categories

For a chemical or chemical category to remain on or be added to the TRI list, the chemical must be known to cause or to reasonably be anticipated to cause one of the following:

- Adverse acute health effects at significant concentration levels beyond facility boundaries as a result of continuous or frequently occurring releases;
- Cancer in humans; or
- A significant adverse effect on the environment because of the chemical’s toxicity and persistence in the environment.

As new chemicals of concern are identified, they are added to the TRI list. Conversely, if TRI chemicals are found not to meet the toxicity requirements, they can be deleted. Currently, the reportable TRI chemical list contains more than 650 chemicals and chemical categories. A complete list of TRI chemicals and chemical categories for calendar year 2018 reports is available to the public on EPA’s website at <http://www2.epa.gov/toxics-release-inventory-tri-program/tri-listed-chemicals>.

For 2018, Virginia facilities reported the release, transfer, or management of 139 of the more than 650 chemicals and chemical categories which are subject to the TRI reporting requirements.

Reporting Forms and Activities Which Must Be Reported

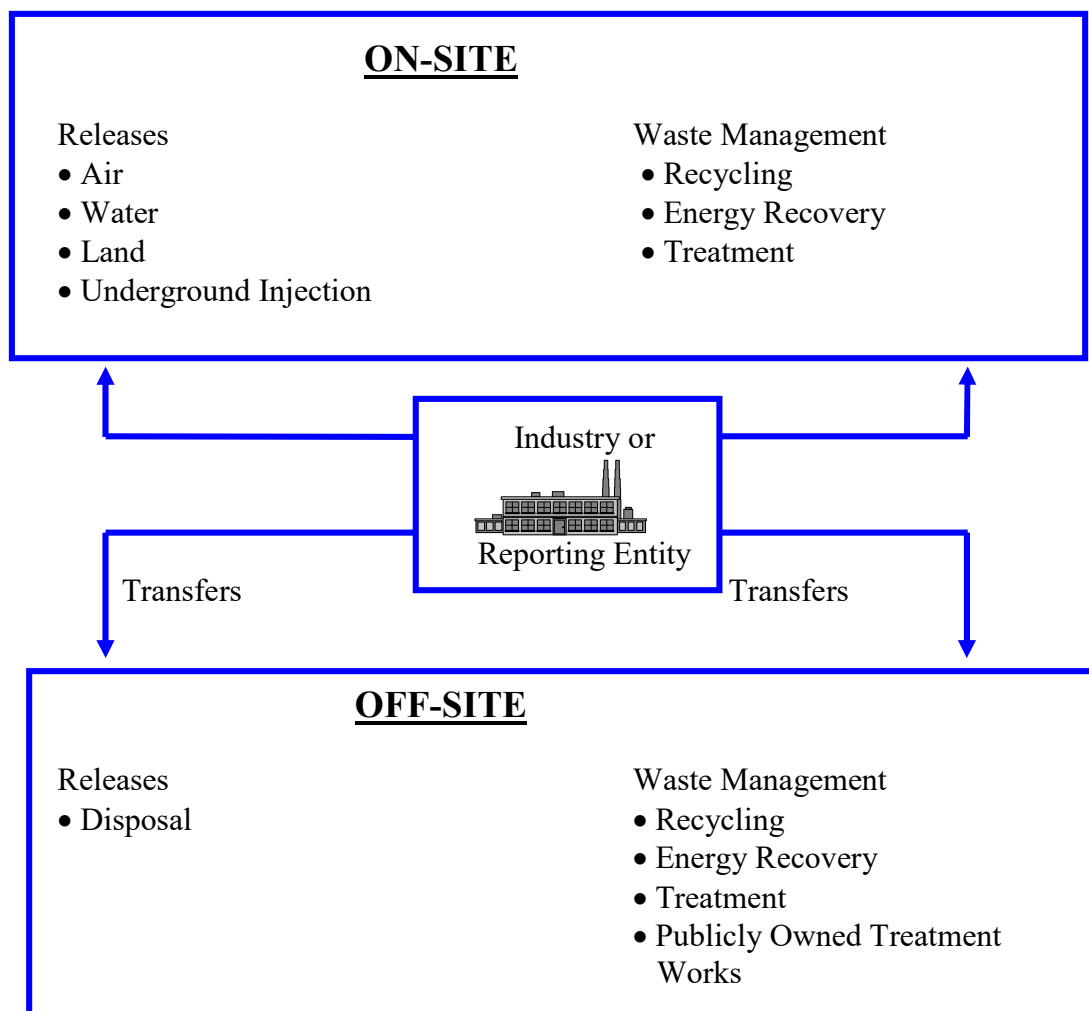
Each year, reporting facilities submit one reporting form for each TRI chemical or chemical category which is manufactured, processed, or otherwise used in amounts equal to or greater than the threshold values. For each TRI chemical or chemical category, facilities must submit either a Form A (simplified form) or a Form R (long form). Examples of both forms for reporting year, 2018, are provided in Appendix D. Form A has restrictions governing its use.

- The TRI Electronic Reporting Rule, effective January 21, 2014, now requires facilities to use EPA’s Automated TRI Reporting Software TRI-Made Easy (TRI-ME) to submit the information electronically online via CDX.
- Reports containing trade secrets or revisions to reports previously containing trade secrets must still be submitted to EPA and Virginia via hard copy.

- The 2009 Omnibus Appropriation Act has returned TRI reporting requirements to the rules in effect prior to the TRI Burden Reduction Rule, announced in December 2006. The change requires that reports on PBT chemicals be submitted on the Form R.
- For all other chemicals, the shorter form, Form A, may be used only if the “annual reporting amount” is 500 pounds or less and the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Data used to prepare quantitative information in the Virginia TRI Report come principally from Part II of the Form R reports, and specifically from Sections 5, 6, 7 and 8 of Part II, Form R. These sections are referred to throughout the Virginia TRI Report and are described below:

- **Section 5: Quantity of toxic chemical entering each environmental medium on-site.** Release reporting for on-site releases is broken down into categories: releases to the air (from stack and fugitive emissions), releases to water (on-site via Virginia Pollutant Discharge Elimination Systems (VPDES) permitted outfalls and to publicly owned treatment works (POTWs)), and releases to land (underground injection, disposal to land, Resource Conservation and Recovery Act (RCRA) Subtitle C landfill, other landfills, land treatment/application farming, surface impoundment, or other disposal).
- **Section 6: Transfers of the toxic chemical in wastes to off-site locations.** Section 6 contains two main subsections: transfers to POTWs and transfers to all other off-site locations (in-state or out-of-state). Facilities are required to provide the name and location of off-site locations, the quantity transferred, and the method of management (treated, disposed, recycled, or burned for energy recovery).
- **Section 7: On-site waste treatment methods and efficiency (including energy recovery processes and recycling processes).** Facilities are asked to provide mostly qualitative information about the on-site treatment processes, the estimated range of influent concentration, and the efficiency of the operation.
- **Section 8: Source reduction and waste management.** Section 8 was added to the Form R reporting as a result of the federal Pollution Prevention Act of 1990 to track production-related activities. Section 8 extracts and re-aggregates data reported in Sections 5 through 7 into environmental releases (production-related on-site and off-site releases), off-site transfers/management, and on-site management. Where Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for related quantitative data. Section 8 and its subsections also request previous year reporting and future year estimates for production-related releases, transfers for off-site management, and on-site management. Other subsections of Section 8 ask for episodic/catastrophic releases (non-production related), qualitative information about source reduction activities, and a production ratio or activity index to better gauge the facility’s efforts in source reduction. The flow chart (Figure 1) on the following page illustrates the information collected on Form R for TRI chemicals.

Figure 1 - Schematic Diagram of the TRI Data Collected

Part Three - Uses and Limitations of TRI Data

The Virginia TRI Report provides the public, especially local emergency planning committees, with information concerning designated toxic chemicals and chemical categories manufactured, processed, or otherwise used at facilities, including the amounts released to the environment and managed as wastes.

Industry can use the data to: obtain an overview of use and release of toxic chemicals, identify and reduce costs associated with toxic waste, identify promising areas for pollution prevention, establish reduction targets, and measure and document progress toward reduction goals.

The public availability of the data has assisted many facilities in working with their communities to develop effective strategies for reducing environmental and human health risks that may result from toxic chemical releases.

Nevertheless, there are limitations on the use of TRI data:

1. The TRI Report contains reported information on the quantities of chemicals released and managed, not the public's exposure to, or risk from, the chemicals. Due to the limited nature of TRI data collected, readers are strongly discouraged from making any health or environmental risk/exposure assessments from the information presented. Risk to human health by a chemical release depends on the toxicity of the chemical; how it disperses, reacts, or persists in the environment; and the quantity, concentration, and type of human exposure. Furthermore, chemicals reported for the TRI Report are not weighted by their toxicity. For example, a pound of one substance may be more toxic or hazardous than 1,000 pounds of another. Most of the releases are permitted under other federal and state regulatory programs such as the CAA, CWA and RCRA. Data from these regulatory programs may provide additional information to better inform residents about their environment.
2. The TRI program captures only a portion of all toxic chemical releases in Virginia. The TRI reporting program does not account for TRI chemicals from most non-manufacturing facilities, facilities with fewer than 10 employees, facilities that do not meet the chemical quantity thresholds, other non-industrial sources, or transportation-related emissions.
3. The majority of facilities report TRI data based on estimates. The TRI program does not require facilities to monitor releases, only to use best available data in the facilities' estimates. Using different methods to estimate data can result in significant variability from one facility to another, as well as from one year to the next.
4. Patterns of releases and other waste management activities can change significantly from one year to the next. Thus, the data in this report for a specific facility may differ from those reported for a prior year. Although many facilities utilize Environmental Management Systems to improve efficiency and reduce waste, higher production often leads to higher releases.
5. Direct comparison between figures in the current year's report and figures in past Virginia TRI Reports is discouraged because of changes in reporting requirements and the authorized incorporation of revisions to previous years' data. Several historical comparisons, with appropriate standardization of data, are provided in Chapter 4 and Appendix E.
6. EPA is required by law to compile an annual *Toxics Release Inventory – National Analysis* for the nation. The data in the Virginia TRI Report is anticipated to not completely correspond to the data published by the EPA. Contributing factors include: differing dates on which data are extracted for processing, revised facility reports, and facilities which mistakenly report to the commonwealth or EPA but not both. DEQ and EPA continue to work together to rectify such differences.

The data for calendar year 2018 show a decrease (5.56 percent) in the amount of TRI chemicals released on-site, transferred off-site and managed on-site from 2017 (see Chapter 4 for the 2016-2018 comparison table). There has been a downward trend in the amount of TRI chemicals released to the environment and managed as wastes in Virginia since the implementation of the TRI Program in 1988 with an overall decrease in the total amount of TRI reportable chemicals of over 41.88 percent between 2005 and 2015 as shown in the table in Appendix E. A decrease in the amount of TRI chemicals being recycled on-site and TRI chemicals being released to the land, water, and fugitive air accounted for the overall decrease in the total amount of TRI chemicals reported in 2018.

Chapter One - 2018 Virginia TRI Data Review

Chapter One describes the 2018 reporting year data, based on the type of activity and the chemicals and chemical categories reported. The chapter is divided into four parts. Part One presents an overview and summary of 2018 data collected. Part Two discusses on-site releases of TRI chemicals to the environment, whether to air, water, or land. These data are derived from Section 5 of the Form R reports. Part Three discusses the off-site transfers of TRI chemicals, whether to POTWs or to other off-site locations. These data are derived from Section 6 of the Form R reports. Part Four discusses on-site and off-site management activities. These data are derived from Section 8 of the Form R reports. While Chapter One includes all TRI chemicals, Chapter Two addresses PBT chemicals in more detail.

As described in the Introduction, Section 8 of the federal Form R asks facilities to extract and re-aggregate certain data from Sections 5 and 6. To avoid double-counting these chemicals in the Overview and Summary, only data which are independent of Sections 5 and 6 are presented when discussing "On-Site Management" in Part One of this chapter. When discussing Section 8 data as a whole, however, all these data are used in Part Four of this chapter; including data extracted and re-aggregated from Sections 5 and 6, so the balance between various on-site and off-site management activities can be shown. Appendices F and G contain facility-specific information, arranged by jurisdiction, for TRI chemicals (excluding PBTs) and for PBT chemicals, respectively.

Part One - 2018 Overview and Summary

For calendar year 2018, Virginia facilities reported they released, transferred, or managed approximately 852.33 million pounds of TRI chemicals (see Table 1).

Approximately 28.25 million pounds of TRI chemicals were reported to have been released on-site to the environment. Air releases represented 16.51 million pounds, or 58.44 percent of all the TRI chemicals released on-site in 2018. Releases to the water totaled approximately 9.14 million pounds, or 32.35 percent of the total released on-site. Releases to the land totaled approximately 2.60 million pounds, or 9.21 percent of the total released on-site. For 2018, the amount of TRI chemical releases to the environment represented approximately 3.31 percent of the total TRI chemicals reported.

The majority of the reported releases occurred under a federal or state permit program designed to protect human health and the environment.

Off-site transfers totaled approximately 66.15 million pounds of TRI chemicals. Off-site transfers to POTWs totaled approximately 17.78 million pounds. Off-site transfers to other (non-POTW) facilities (for treatment, recycling, energy recovery, and disposal) totaled approximately 48.38 million pounds. For 2018, the amount of TRI chemicals transferred off-site represented approximately 7.77 percent of the total for TRI chemicals by this measure.

For 2018, facilities reported that approximately 757.93 million pounds were managed on-site by treatment, recycling, or energy recovery which represents approximately 88.92 percent of the total TRI chemicals.

Table 1. Summary of Data by Type of Release, Transfer, and On-Site Management for TRI Chemicals (in pounds per year)

On-Site Releases By Media (Section 5 of Form R)	
Total Air	16,508,457.36
Fugitive Air	3,462,295.09
Stack Air	13,046,162.27
Total Water	9,137,577.54
Total Land	2,602,408.81
Landfills	2,033,957.78
Land Treatment / Application	44,182.10
Surface Impoundment	34,617.49
Other Disposal	489,651.44
Total On-Site Releases to Media	28,248,443.72
Off-Site Transfers By Type (Section 6 of Form R)	
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	17,775,431.97
Total Other Off-Site Transfers	48,379,542.31
Off-Site Transfers for Recycling	24,620,738.08
Off-Site Transfers for Energy Recovery	3,518,089.44
Off-Site Transfers for Other Treatment	17,268,575.57
Off-Site Transfers for Disposal	2,972,139.23
Total Off-Site Transfers	66,154,974.28
On-Site Management (From Section 8 of Form R) *	
Treated On-Site	103,473,321.21
Recycled On-Site	651,206,005.27
Energy Recovery On-Site	3,251,145.00
Total On-Site Management	757,930,471.48
Total TRI Chemicals Released On-site to Media, Transferred Off-site, or Managed On-site by Reporting Facilities	852,333,889.48

* The data for the on-site management of TRI chemicals are a summary of data collected from Part II, Sections 8.2, 8.4 and 8.6 of the Form R. These sections, in turn, are quantitative data not reported anywhere else in the Form R and reflect the descriptive data reported in Part II, Section 7 (on-site management practices - treatment, energy recovery, and recycling) of the Form R. Data extracted and re-aggregated to Section 8 from Sections 5 and 6 of Form R have not been included here to avoid duplicate counting.

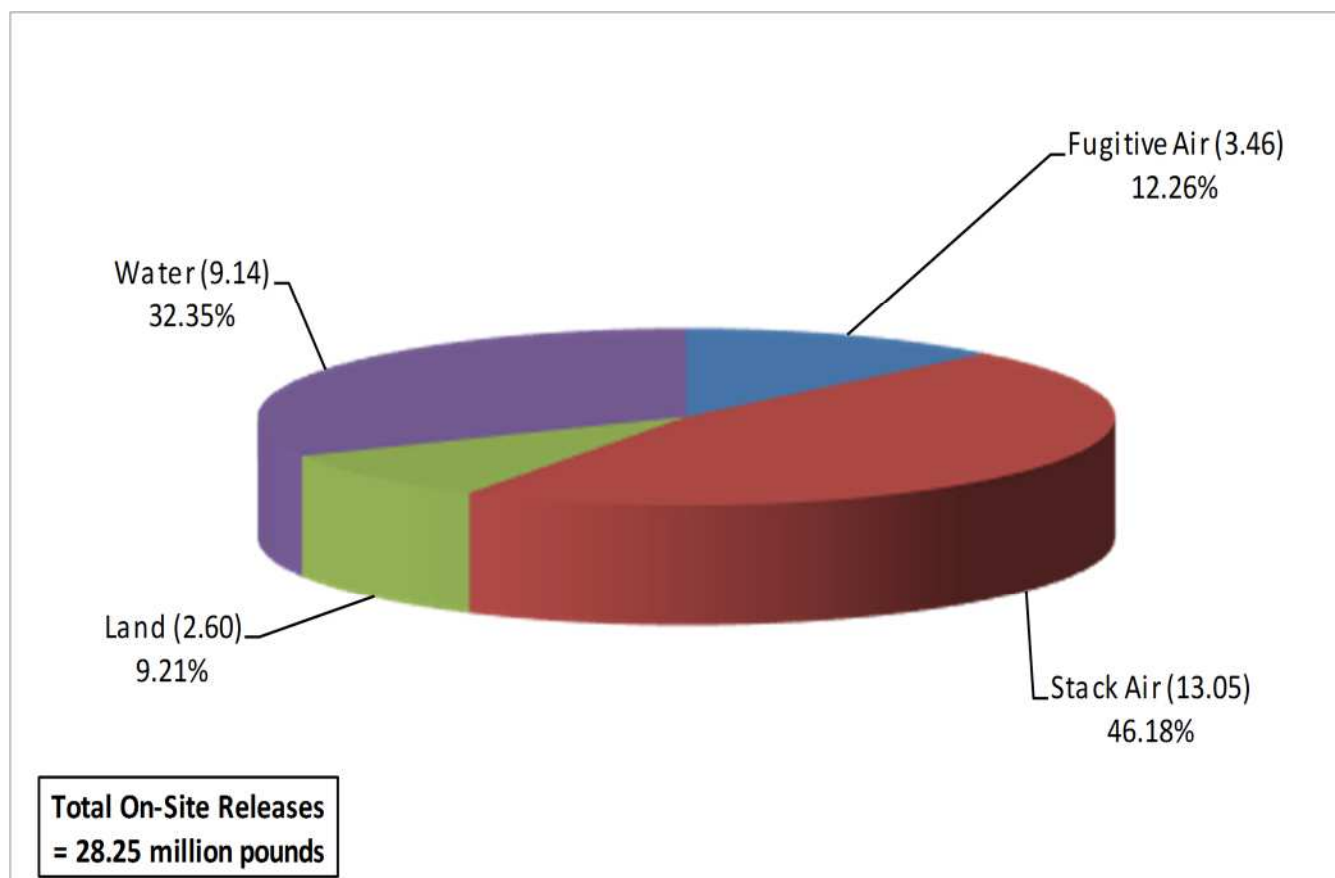
Part Two - On-Site Releases to the Environment

Part Two of Chapter One discusses the on-site releases to the environment by facilities, as reported in Section 5 of the TRI Form R. The quantities reported include production-related releases, any catastrophic releases or one-time events not associated with routine production processes.

A release refers to an on-site discharge of TRI chemicals to the air, water, land, and/or disposal in underground injection wells. Any reductions in waste achieved by on-site treatment methods are taken into account when facilities determine their release data.

Approximately 28.25 million pounds of TRI chemicals were reported as released into the environment by reporting facilities for reporting year 2018.

Figure 2. On-Site Releases of TRI Chemicals to All Media for Reporting Year 2018 (From Section 5 of Form R. The number inside the parentheses is the quantity of releases in each category in millions of pounds and the percent figure is the percent of total on-site releases. There were no underground injection releases reported in 2018.)

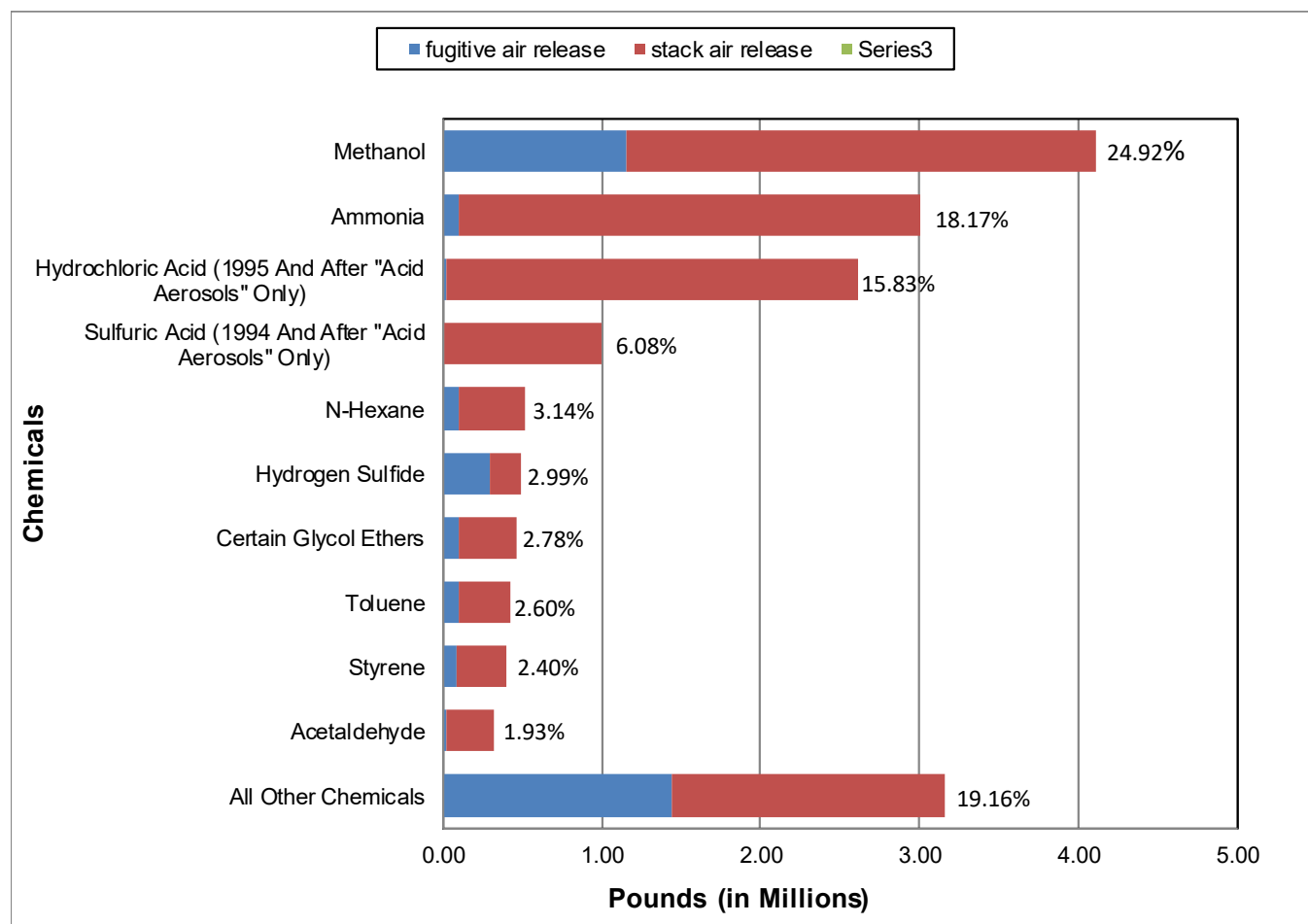


On-Site Releases to the Air

On-site air releases are classified as either “fugitive” (non-point source) or “stack” (point source) air emissions. Examples of fugitive air emissions are equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills. Stack air emissions are releases which are conveyed through stacks, ducts, pipes, vents, or other confined air streams. Most facilities reporting stack emissions to TRI are required to have permits for the control of those emissions.

Based on the amount of fugitive and stack emissions reported, the total amount of releases to the air of all TRI chemicals was approximately 16.51 million pounds, which accounted for 58.44 percent of the total on-site releases to all media (air, water, and land). Ten TRI chemicals released to the air made up approximately 80.84 percent of the total reported TRI air emissions in 2018 (See Figure 3). Those 10 chemicals were: methanol, ammonia, hydrochloric acid, sulfuric acid, n-hexane, hydrogen sulfide, certain glycol ethers, toluene, styrene, and acetaldehyde. Most reported acid aerosols such as hydrochloric acid and sulfuric acid were reported as generated during the combustion of coal or oil. Electric power generating facilities contributed to the emissions of acid aerosols. Ammonia, methanol, and toluene continued to be the air pollutants reported primarily from the manufacturing sector.

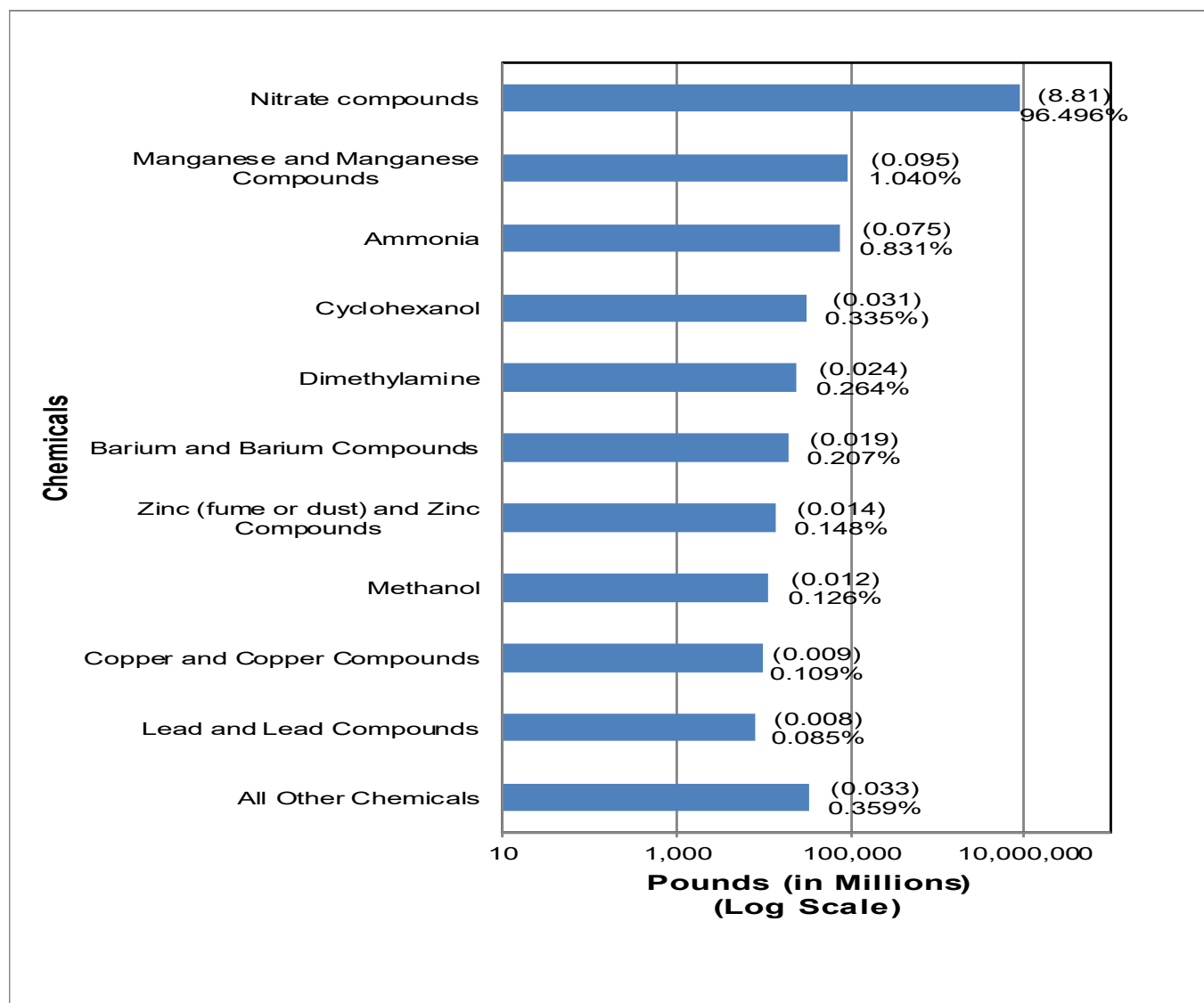
Figure 3. Top 10 TRI Chemicals Released to the Air On-Site in 2018 (From Section 5 of Form R. The number next to each bar is the percent of total air releases for all 2018 chemicals reported.)



On-Site Releases to Water

On-site releases to water include discharges to surface waters, such as rivers, lakes, ponds, and streams. These discharges are often from VPDES permitted outfalls. Reported on-site releases of TRI chemicals to water in 2018 totaled approximately 9.14 million pounds and accounted for 32.35 percent of all on-site releases to the air, water, and land in 2018. Ten chemicals and chemical categories accounted for more than 99.64 percent of the on-site TRI chemical releases to the water. Those 10 TRI chemicals were: nitrate compounds (96.49 percent of total releases to water), manganese and manganese compounds, ammonia, cyclohexanol, dimethylamine, barium and barium compounds, zinc and zinc compounds, methanol, copper and copper compounds and lead and lead compounds. Nitrate compounds are a common byproduct of industrial wastewater treatment processes and have consistently been reported as the chemical released in the highest quantity to surface water.

Figure 4. Top Ten TRI Chemicals Released to Water On-Site in 2018 (From Section 5 of Form R. The information presented here is in logarithmic, base 10 scale, which compresses the bar chart to show up to 450 fold magnitudes of the difference between nitrate compounds and other chemicals. The number by the bars represents the quantity in millions of pounds followed by percent of total reported releases to water.)

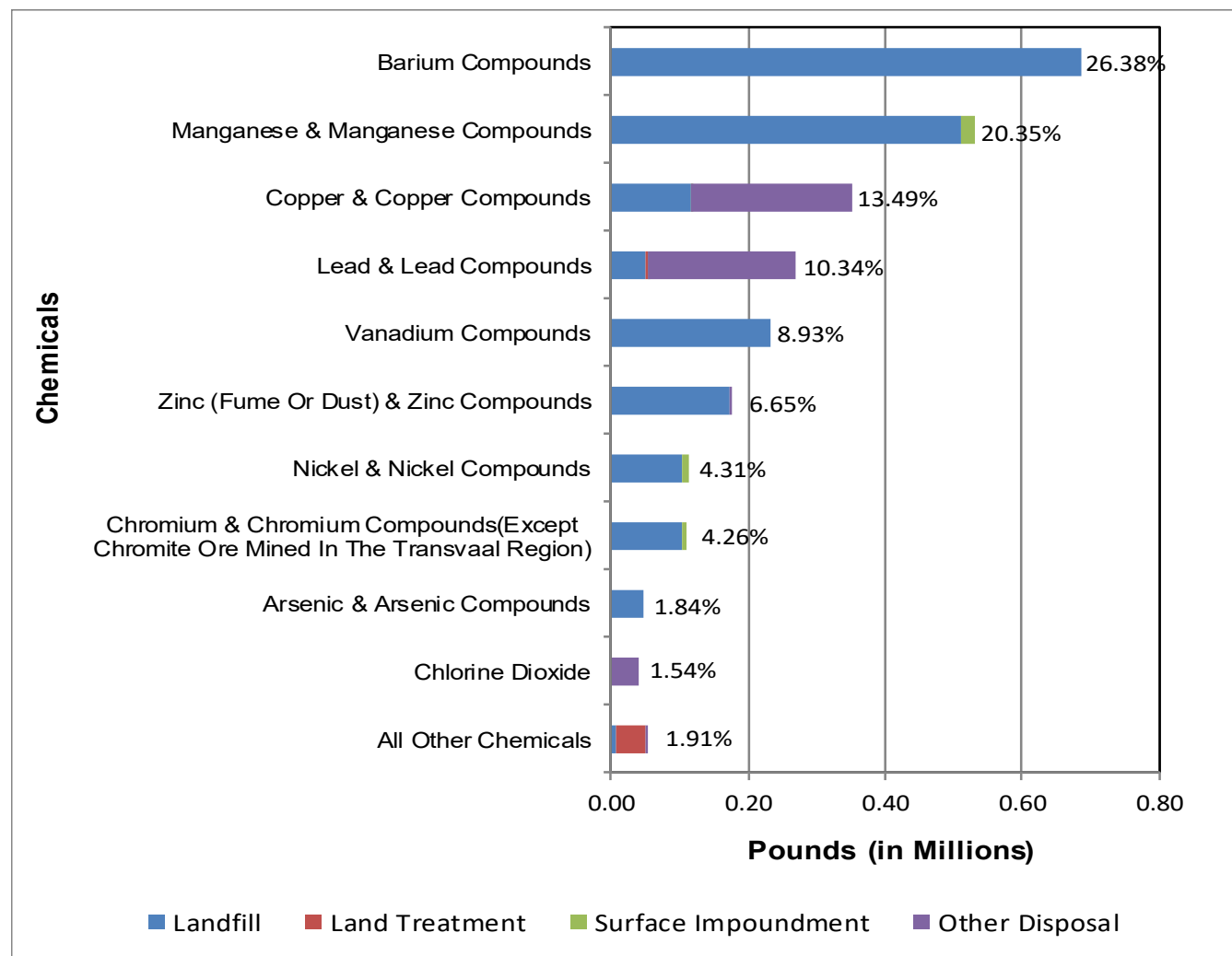


On-Site Releases to the Land

On-site releases to the land refer to land filling, surface impoundment, land treatment/application for farming, or any other release of a TRI chemical to land within the boundaries of a facility. Virginia does not permit underground injection as a method of hazardous waste disposal (nor was any reported) and no underground injection or RCRA Subtitle C permitted land disposal of TRI chemicals was reported.

The total amount of TRI chemicals released to the land in Virginia during 2018 was approximately 2.60 million pounds, which accounted for 9.21 percent of all reported on-site TRI releases (releases to the air, water, and land). Ten chemicals constituted approximately 98.09 percent of all of the TRI chemicals released to the land. They were: barium compounds, manganese and manganese compounds, copper and copper compounds, lead and lead compounds, vanadium compounds, zinc and zinc compounds, nickel and nickel compounds, chromium and chromium compounds, arsenic and arsenic compounds, and chlorine dioxide (Figure 5). Metals and metal compounds such as barium are found naturally in coal combusted for energy generation and in the ashes remaining after combustion of the coal.

Figure 5. Top 10 TRI Chemicals Released On-Site to the Land in 2018 (From Section 5 of Form R. The number next to each bar is the percent of total on-site land releases for all 2018 reported.)



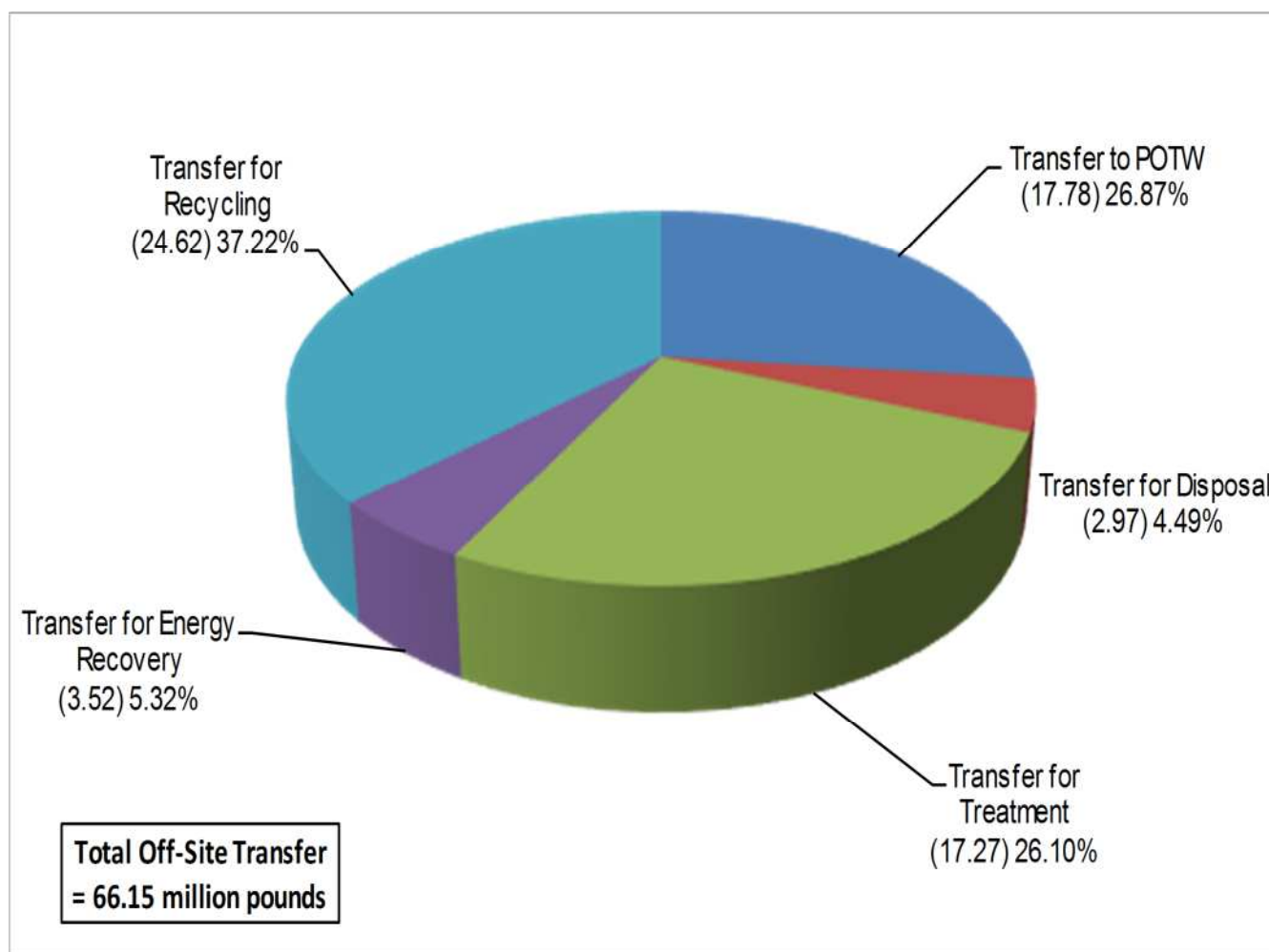
Part Three - Off-Site Transfers

Transfers refer to TRI chemicals sent off-site. Transfers are reported as transfers to POTWs or other off-site destinations which are not part of the reporting facility, such as incinerators, landfills, or other facilities for treatment, recycling, energy recovery, or disposal.

In this section, data were collected from Section 6 of Form R.

For 2018, approximately 66.15 million pounds of TRI chemicals were reported as sent off-site for further management or disposal.

Figure 6. All Off-Site Transfers of TRI Chemicals for Reporting Year 2018 (From Section 6 of Form R. The number inside the parentheses is the quantity of transfers in each category in millions of pounds and the percent figure is the percent of total transfers.)



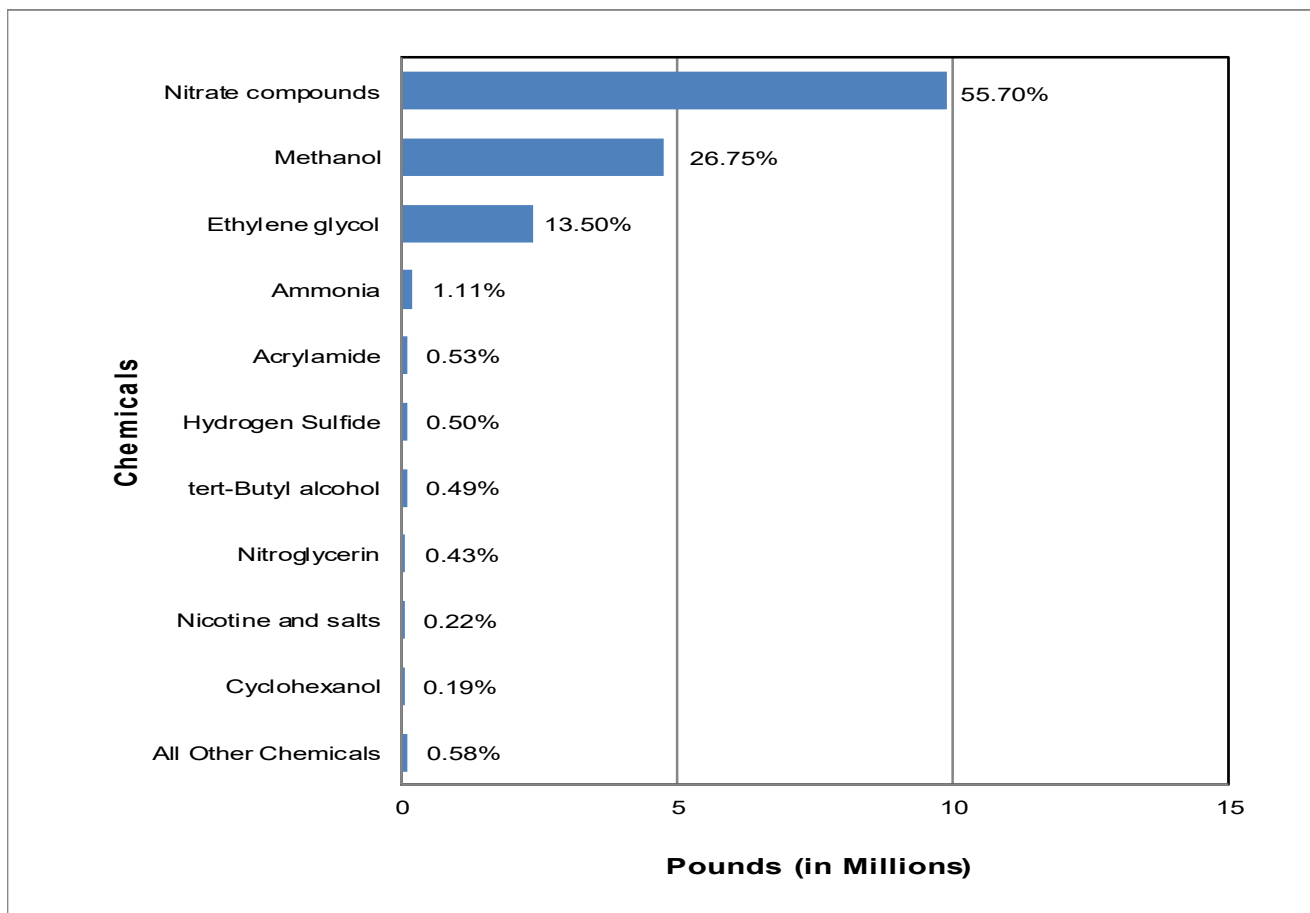
Transfers to Publicly Owned Treatment Works

A POTW is a wastewater treatment facility which is owned by a state or local government. Wastewater from facilities reporting under TRI is transferred through pipes or sewers to the POTW. The TRI information summarized below reports transfers of a chemical to a POTW; however, a transfer to a POTW is not necessarily the same as the release of a chemical to the environment. TRI chemicals may be treated, destroyed, and/or removed from the environment in a POTW's physical, chemical, and biological treatment processes. Some TRI chemicals are almost completely destroyed by a POTW. However, not all chemicals can be treated or removed by a POTW. Some chemicals such as metals and metal compounds may be removed but not destroyed. These metals may ultimately be disposed of in a permitted landfill, disposed of in a permitted land application process, or released through a permitted discharge to receiving waters.

Ten TRI chemicals accounted for approximately 99.42 percent, or 17.67 million pounds of the approximately 17.78 million pounds of TRI chemicals transferred to POTWs in reporting year 2018.

Nitrate compounds were the leading pollutant discharged to POTWs for treatment for this reporting period. The other nine top-reported chemicals transferred were: methanol, ethylene glycol, ammonia, acrylamide, hydrogen sulfide, tert-butyl alcohol, nitroglycerin, nicotine and salts and cyclohexanol.

Figure 7. Top 10 TRI Chemicals Transferred to Publicly Owned Treatment Works (POTWs) in 2018 (From Section 6.1 of the Form R. The number next to each bar is the percent of total transfers to POTWs.)

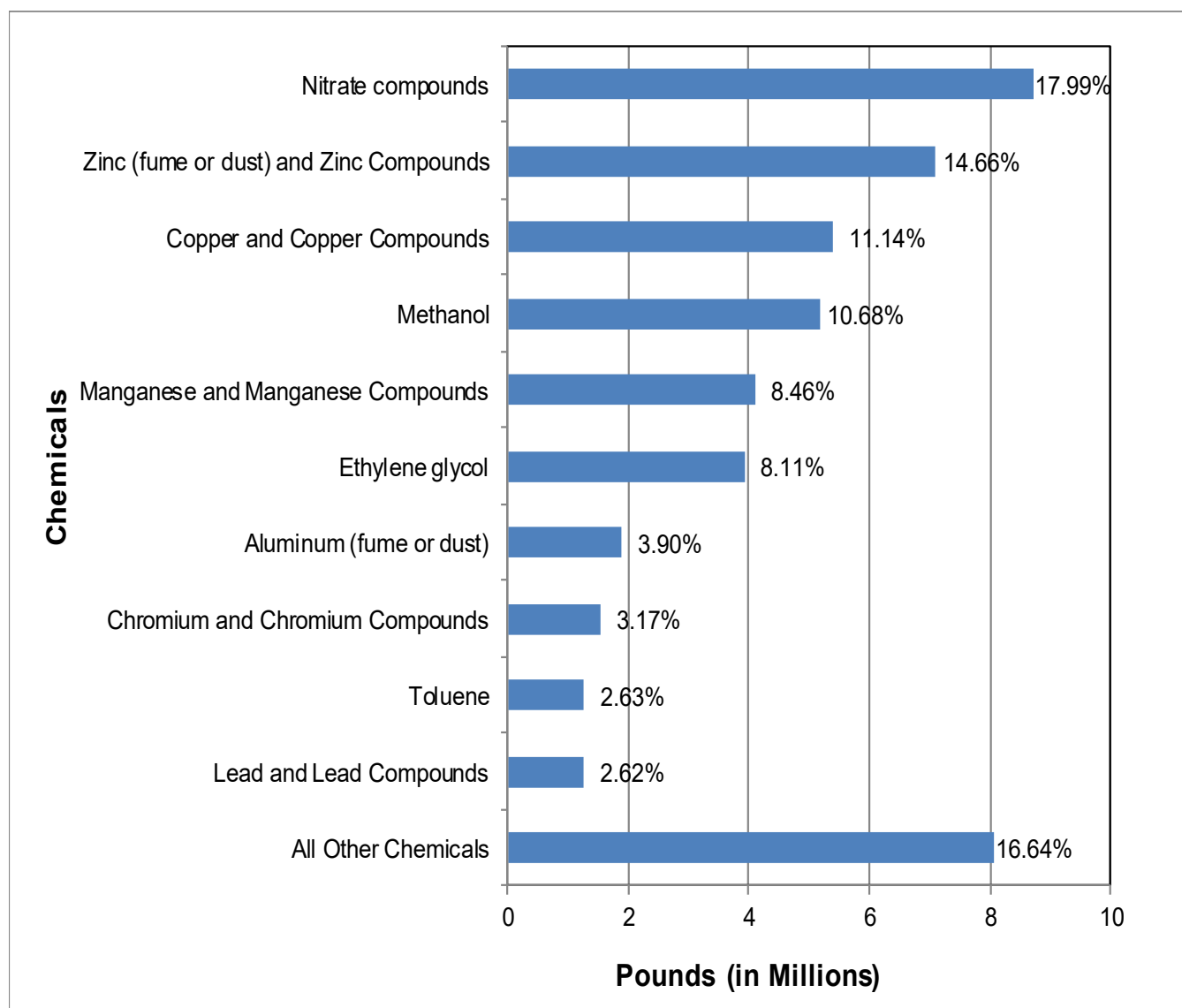


Transfers to Other Off-Site Locations

The Form R also reports transfers of TRI chemicals to facilities other than POTWs. These off-site locations include incinerators, landfills, other treatment, energy recovery, recycling, and/or disposal facilities. Off-site transfers can be to facilities located inside or outside of the Commonwealth.

In 2018, the total amount of TRI chemicals transferred to other off-site locations was approximately 48.38 million pounds. Ten TRI chemicals represented approximately 83.36 percent of the total TRI chemicals transferred off-site to locations other than POTWs. Those 10 chemicals and chemical categories transferred off-site to locations other than POTWs in reporting year 2018 were: nitrate compounds, zinc and zinc compounds, copper and copper compounds, methanol, manganese and manganese compounds, ethylene glycol, aluminum (fumes or dust), chromium and chromium compounds, toluene and lead and lead compounds.

Figure 8. Top 10 TRI Chemicals Transferred to Off-Site Locations Other than POTWs in 2018
(From Section 6.2 of the Form R. The number next to each bar is the percent of total transfers to other off-site locations.)



Part Four - On-Site and Off-Site Management

Under the Pollution Prevention Act of 1990, facilities subject to EPCRA Section 313 must report their source reduction and recycling activities. Consequently, EPA added Section 8 to the Form R (Appendix D) to track production-related activities. Section 8 contains 11 subsections and requires facilities to extract and re-aggregate data reported in Sections 5 through 7 into releases (on-site and off-site releases to the environment); off-site transfers/management; and on-site management categories. This part of Chapter One discusses all of the data included in Section 8 to track production-related activities so the relative methods of toxic chemical management can be compared.

Some of the data and information reported in Sections 5, 6 and 7 are handled differently for Section 8 reporting. The differences are the releases-to-the-environment data in Section 8 exclude catastrophic releases and one-time events not associated with the production process. Furthermore, metal and metal compounds reported as transfers for off-site management in Section 6 are aggregated with the on-site release data from Section 5 as releases to the environment. Metal and metal compounds cannot be destroyed through treatment; hence, their final disposal is considered a release to the environment. There are other differences in how quantities are reported, so the total toxics managed, as reported in Section 8, do not precisely match the total in Table 1. Also, Section 8 is the only part of the Form R which contains quantitative data on on-site waste management activities other than releases. While Section 7 contains qualitative information about on-site management practices, a subsection of Section 8 asks for quantitative data related to information reported in Section 7.

Consistent with the pollution prevention goal, Section 8 of Form R and its subsections also report additional information which addresses resource reduction efforts. In general, facilities utilize several options to manage TRI chemicals. Treatment of waste, both on-site and off-site, involves a variety of methods, including biological treatment, neutralization, incineration, and physical separation. Another option is on-site or off-site recycling. On-site or off-site recycling involves the toxic chemicals in waste being recovered or reclaimed and being returned for further processing or being made available for use in commerce. Energy recovery involves the combustion of toxic chemicals in industrial furnaces or boilers which generate energy for on-site or off-site use. The least preferable and last management option is disposal, which is considered a release to the environment.

As reported in Section 8 of the 2018 facility reports, 852.33 million pounds of production-related TRI chemicals were released, treated, recycled, or recovered both on-site and off-site from Virginia facilities.

Approximately 88.92 percent of the TRI chemicals were managed on-site and 3.31 percent of the TRI chemicals were released into the environment on-site. About 7.77 percent of the TRI chemicals were transferred off-site to be managed by various means.

Chapter Two - 2018 TRI Data for PBT Chemicals

Persistent bio-accumulative toxic chemicals are those which remain in the environment for long periods of time, are not readily destroyed, and build up or accumulate in body tissue. Because of these characteristics, beginning with reporting year 2000, EPA added several PBT chemicals to the TRI reporting list and lowered the reporting thresholds for 18 PBT chemicals and chemical categories.

For reporting year 2018, DEQ received 282 reports and revisions for PBT chemicals, out of a total of 1,322 TRI reports and revisions (21.33 percent).

Table 2 shows the reporting thresholds for the TRI PBTs. The table also shows that 12 of the 20 PBTs were reported as released, transferred, or managed by facilities in Virginia for reporting year 2018. Appendix G has facility-specific information for PBT chemicals.

Table 2. TRI Reporting Year 2018 Persistent Bio-accumulative Toxic Chemicals - Reporting Thresholds and Number of Reports Received

CAS Number	Chemical /Chemical Category Name	Reporting Threshold	Reports Received
309-00-2	Aldrin	100 lbs.	0
191-24-2	Benzo(g,h,i)perylene	10 lbs.	22
57-74-9	Chlordane	10 lbs.	1
N150	Dioxin and Dioxin-Like Compounds	0.1 gram	16
76-44-8	Heptachlor	10 lbs.	1
118-74-1	Hexachlorobenzene	10 lbs.	0
465-73-6	Isodrin	10 lbs.	0
7439-92-1	Lead	100 lbs.	94
N420	Lead Compounds	100 lbs.	82
7439-97-6	Mercury	10 lbs.	4
N458	Mercury Compounds	10 lbs.	21
72-43-5	Methoxychlor	100 lbs.	1
29082-74-4	Octochlorostyrene	10 lbs.	0
40487-42-1	Pendimethalin	100 lbs.	0
608-93-5	Pentachlorobenzene	10 lbs.	0
1336-36-3	Polychlorinated biphenyls (PCBs)	10 lbs.	1
N590	Polycyclic aromatic compounds (PACs)	100 lbs.	38
79-94-7	Tetrabromobisphenol A (TBBPA)	100 lbs.	1
8001-35-2	Toxaphene	10 lbs.	0
1582-09-8	Trifluralin	100 lbs.	0

Table 3 provides an overview and summary of 2018 PBT data. The data are organized as in Table 1, Chapter 1. In order to avoid duplicate counting, data extracted and re-aggregated in Section 8 from Sections 5 and 6 of Form R have not been included as "On-Site Management" in Table 3.

Table 3. Summary of Data by Type of Release, Transfer and On-Site Management for PBT Chemicals (Dioxin and dioxin-like compounds are listed separately from the "Other PBT Chemicals" column because they were reported in grams, while the other PBT chemicals were reported in pounds. A conversion to pounds is shown adjacent to the reported number of dioxins in grams.)

On-Site Releases By Media (Section 5 of Form R)	Dioxin and Dioxin-Like Compounds* in amounts for the year		Other PBT chemicals in amounts for the year
	Grams (g)	Pounds (lbs)	Pounds (lbs)
Total Air	8.28	1.83E-02	13,638.67
Fugitive Air	0.02	5.51E-05	2,508.26
Stack Air	8.25	1.82E-02	11,130.41
Water	1.18	2.60E-03	7,765.57
Land	0.87	1.92E-03	270,336.71
Total On-Site Releases to Media	10.33	2.28E-02	291,740.95
Off-Site Transfers By Type (Section 6 of Form R)			
Publicly Owned Treatment Works (POTWs) (includes metals and metal compounds)	0.00	0.00E+00	683.44
Total Other Off-Site Transfers	10.73	2.37E-02	1,277,229.89
Off-Site Transfers for Recycling	0.00	0.00E+00	1,124,981.78
Off-Site Transfers for Energy Recovery	0.00	0.00E+00	19,866.20
Off-Site Transfers for Other Treatment	0.00	0.00E+00	2,854.12
Off-Site Transfers for Disposal	10.73	2.37E-02	129,527.79
Total Off-Site Transfers	10.73	2.37E-02	1,277,913.33
ON-SITE MANAGEMENT (Section 8 of Form R)			
Treated On-Site	0.00E+00	0.00E+00	8.10
Recycled On-Site	0.00E+00	0.00E+00	58,573.96
Energy Recovery On-Site	0.00E+00	0.00E+00	0.00
Total On-Site Management	0.00E+00	0.00E+00	58,582.06
Total PBT Chemicals Released On-site, Transferred Off-site, and Managed On-site by Reporting Facilities	21.06	0.05	1,628,236.34

* Facilities are allowed to report PBT chemicals up to 7 decimal places of accuracy. For presentation purposes the summary amounts in this table have been rounded; however, the integrity of facility reported data has been maintained in the database. The specific data reported by each facility are provided in Appendix G.

Comparing Table 3 (PBT information) to Table 1 (information on all TRI chemicals), the amount of reported PBTs released on-site (291,741 pounds) was approximately 1.03 percent of the total TRI chemicals released on-site to the environment. The reported PBTs managed on-site (55,582 pounds) were less than one percent (0.19 percent) of the total TRI chemicals managed on-site. The reported PBTs transferred off-site for treatment, recycling, energy recovery, or disposal (1.27 million pounds) were approximately 1.93 percent of the total TRI chemicals transferred off-site. In 2017, the previous reporting year, the on-site releases of PBT contributed to 0.80 percent of the total releases, 0.01 percent of on-site management, and 1.29 percent of off-site transfers.

Information on the amounts of each individual chemical or chemical category released on-site, transferred off-site, and managed on-site for the twelve PBT chemicals reported by Virginia facilities is provided in Table 4.

Table 4. Reporting Year 2018 Amounts of TRI PBT Chemicals Released On-Site, Transferred Off-Site, and Managed On-Site by PBT (Dioxin and Dioxin-like compounds have been converted to pounds and included in the totals.)

Chemical Name	Released On-Site (in pounds)	Transferred Off-Site (in pounds)	Managed On-Site (in pounds)
Benzo(g,h,i)perylene	11.97	618.51	1,090.00
Chlordane	0.00	500.00	0.00
Dioxin and Dioxin-Like Compounds	0.02	0.02	0.00
Heptachlor	0.00	100.00	0.00
Lead	82,886.79	285,262.51	0.00
Lead Compounds	206,082.92	981,868.41	16.00
Mercury	2.33	1,479.50	0.00
Mercury Compounds	1,304.71	199.44	0.00
Methoxychlor	0.00	100.00	0.00
Polychlorinated biphenyls	0.00	47.92	0.00
Polycyclic aromatic compounds (PACs)	1,452.23	7,525.04	57,476.06
Tetrabromobisphenol A	0.00	212.00	0.00
Total for all 12 chemical/categories	291,740.97	1,277,913.35	58,582.06

Of the PBTs listed in Table 4, lead, lead compounds, and PACs represented the most reported on-site releases to the environment, off-site transfers, and on-site management of PBT chemicals. Lead and lead compounds contributed to the bulk (99.05 percent) of the PBT on-site releases. Referring to Figure 5 in Chapter 1, lead and lead compounds ranked fourth in chemicals released on site to land in Virginia. Releases of lead and lead compounds and mercury and mercury compounds to the air (via stacks) or to the land (through fly ash disposal) can result from coal or oil combustion. PACs may form as a result of incomplete combustion of coal or oil or as a by-product of other industrial processes. PACs found in the waste stream can contain adequate British thermal units (BTUs) for energy recovery from incinerated waste.

Table 5 data show the distribution of PBTs versus reported activities (manufacturing, processing, or otherwise use). A facility may report more than one type of activity for a single TRI chemical.

Table 5. Activities and Uses of PBT chemicals at facilities (From Section 3 of the Form R) for 2018

Chemical Name	Manufacturing Only	Processing Only	Otherwise Use Only	Both Manufacturing & Processing	Both Manufacturing & Otherwise Use	Both Processing & Otherwise Use	Manufacturing & Processing & Otherwise Use
Benzo(g,h,i)perylene	4	13	0	1	3	0	3
Chlordane	0	0	1	0	0	0	0
Dioxin and Dioxin-Like Compounds	34	2	0	2	0	0	1
Heptachlor	0	0	0	0	0	0	0
Lead	0	67	23	5	3	6	1
Lead Compounds	10	28	14	11	10	3	10
Mercury	0	3	0	2	0	0	0
Mercury Compounds	6	5	1	4	5	0	3
Methoxychlor	0	0	0	0	0	1	0
Polychlorinated biphenyls	0	0	0	0	0	0	0
Polycyclic aromatic compounds (PACs)	4	12	3	5	13	0	3
Tetrabromobisphenol A	0	0	0	0	1	0	0
Total for all 12 chemicals/categories	58	130	42	30	34	10	21

Table 5 shows “processing only” was the most frequently reported activity (130) involving PBT chemicals. “Processing only” was followed by “manufacturing only” (58) and “otherwise use only” (42).

The major industrial sectors which reported processing of lead or lead compounds were the furniture and fixture industries; stone, clay, glass, and concrete products industries; primary metal and fabricated metal products industries; electronic or electrical equipment manufacturers; petroleum bulk plant operators; and manufacturer of transportation equipment.

Dioxin and dioxin-like compounds are normally a product of incomplete combustion of waste streams containing chlorinated products.

Lead or lead compounds can be co-manufactured under chemical manufacturing processes or as a by-product of fuel (coal or fuel oil) combustion.

Industries such as primary metal; stone, clay, and glass products; transportation equipment manufacturers; electric power generation facilities; solvent recovery facilities; and paper and allied products industries were key reporters of lead compounds and mercury compounds in all three (manufacturing, processing, and otherwise used) activities.

Chapter Three – Industrial Sectors, Facilities and Locations

In this chapter, data are presented by industrial sectors, as identified by the primary North American Industry Classification System Code (Part One), facilities (Part Two), and facility locations (Part Three). The chapter identifies the top 10 Virginia industrial sectors, facilities, and facility locations (also referred to as jurisdictions) based on the reported on-site releases and the total on-site management of TRI chemicals.

As with Table 1 (Chapter 1) and Table 3 (Chapter 2), in order to avoid double counting, the data in this chapter for on-site management do not include the data extracted and re-aggregated from Sections 5 and 6 of Form R. Complete rankings of industrial sectors, facilities, and jurisdictions are included in Appendices H, I and J.

Part One - Industrial Sectors

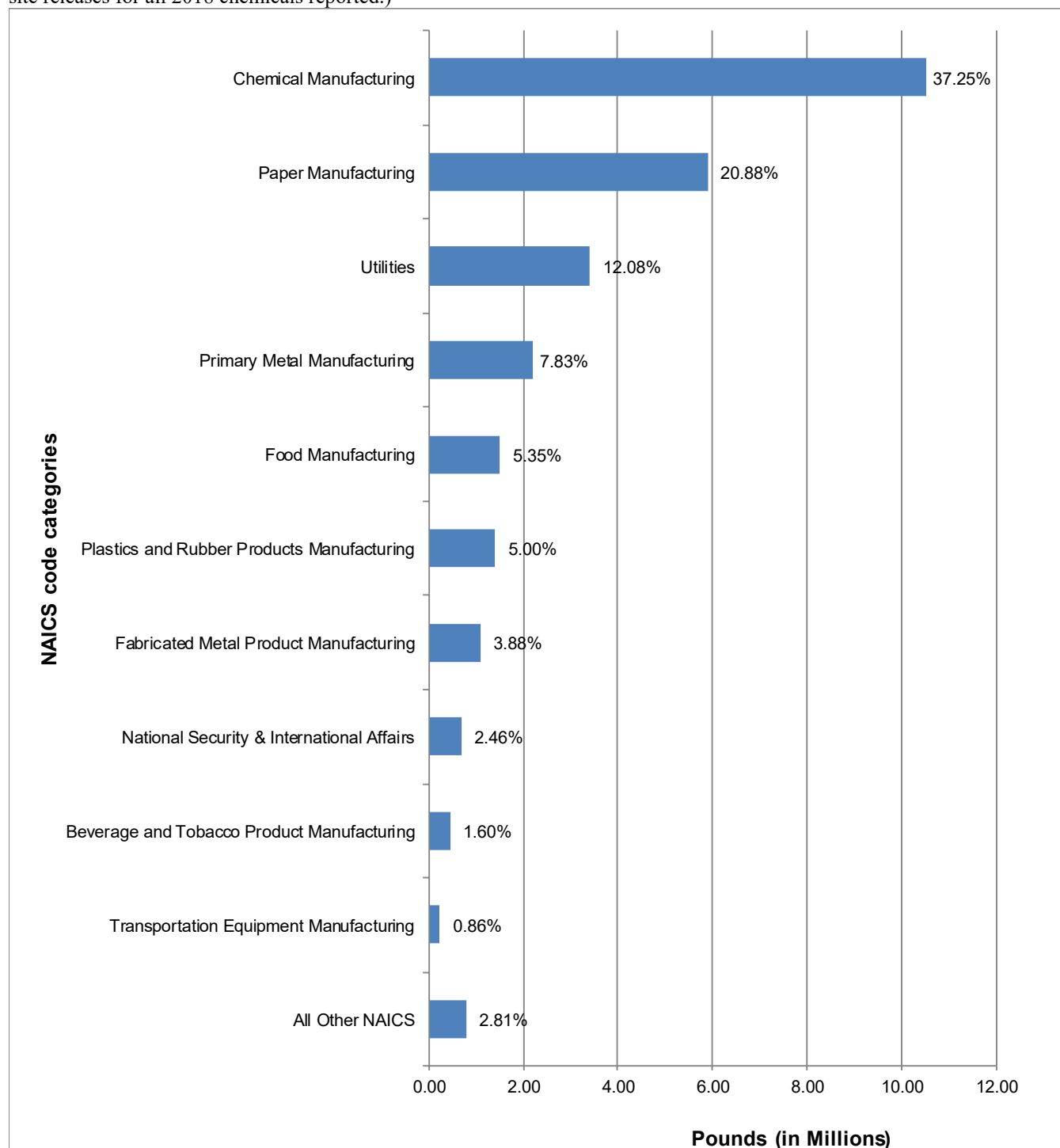
Industrial Sectors Reporting On-Site Releases of TRI Chemicals

Twenty-six industrial sectors, including federal facilities, are subject to TRI reporting requirements (see Appendix C).

The three industrial sectors reporting the most on-site releases of TRI chemicals for 2018, based on the primary North American Industrial Classification System (NAICS) Code, were: chemical manufacturing; paper manufacturing; and utilities (electric, gas, and sanitary services). These three sectors contributed to 70.21 percent of the total on-site releases to the environment. The remaining top 10 industrial sectors for 2018 were: primary metal manufacturing, food manufacturing, plastics and rubber manufacturing, fabricated metal product manufacturing, national security and international relations, beverage and tobacco product manufacturing, and transportation equipment manufacturing.

A complete ranking of industrial sectors reporting on-site TRI releases is provided in Appendix H-1.

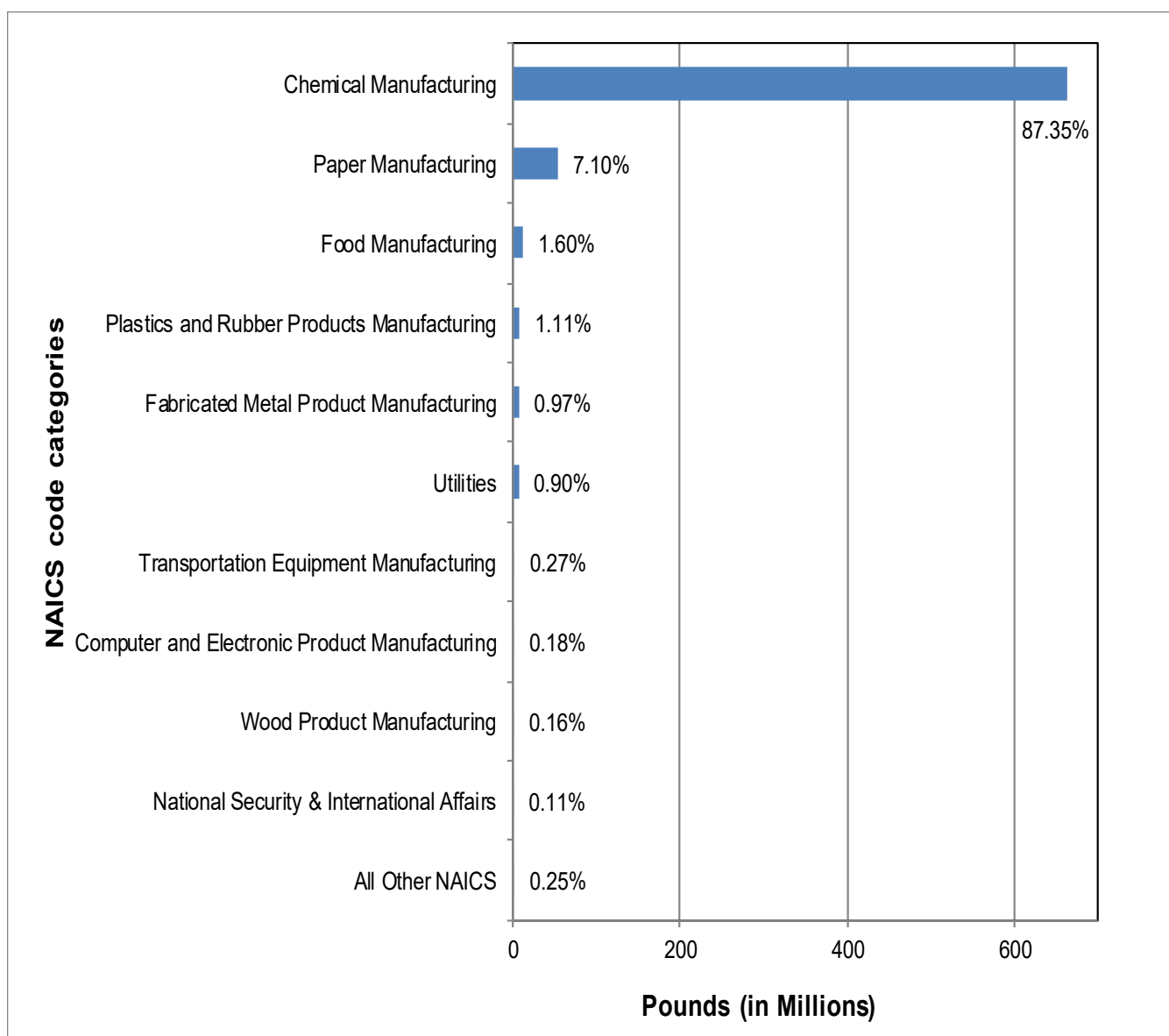
Figure 9. Top 10 Reporting Industrial Sectors (based on NAICS codes) Releasing TRI Chemicals On-Site in Virginia for 2018 (From Section 5 of the Form R. The number next to each bar is the percent of total on-site releases for all 2018 chemicals reported.)



Industrial Sectors Reporting On-Site Management of TRI Chemicals

The three industrial sectors reporting the most on-site management of TRI chemicals (see Figure 10) for 2018 based on the primary NAICS Code were: chemical manufacturing, paper manufacturing, and food manufacturing. These three sectors contributed to 96.05 percent of the total of on-site management of TRI chemicals. The remaining top 10 industrial sectors for 2018 were: plastics and rubber manufacturing, fabricated metal products manufacturing, utilities, transportation equipment manufacturing, computer and electronics manufacturing, wood product manufacturing, and national security and international affairs. A complete ranking of industrial sectors reporting on-site TRI management is provided in Appendix H-2.

Figure 10. Top 10 Reporting Industrial Sectors (based on NAICS codes) Managing TRI Chemicals On-Site in Virginia for 2018 (From Section 8 of the Form R. The number next to each bar is the percent total of on-site management for all 2018 chemicals reported. Figure 10 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Part Two - Facilities

Facilities Reporting On-Site Releases of TRI Chemicals

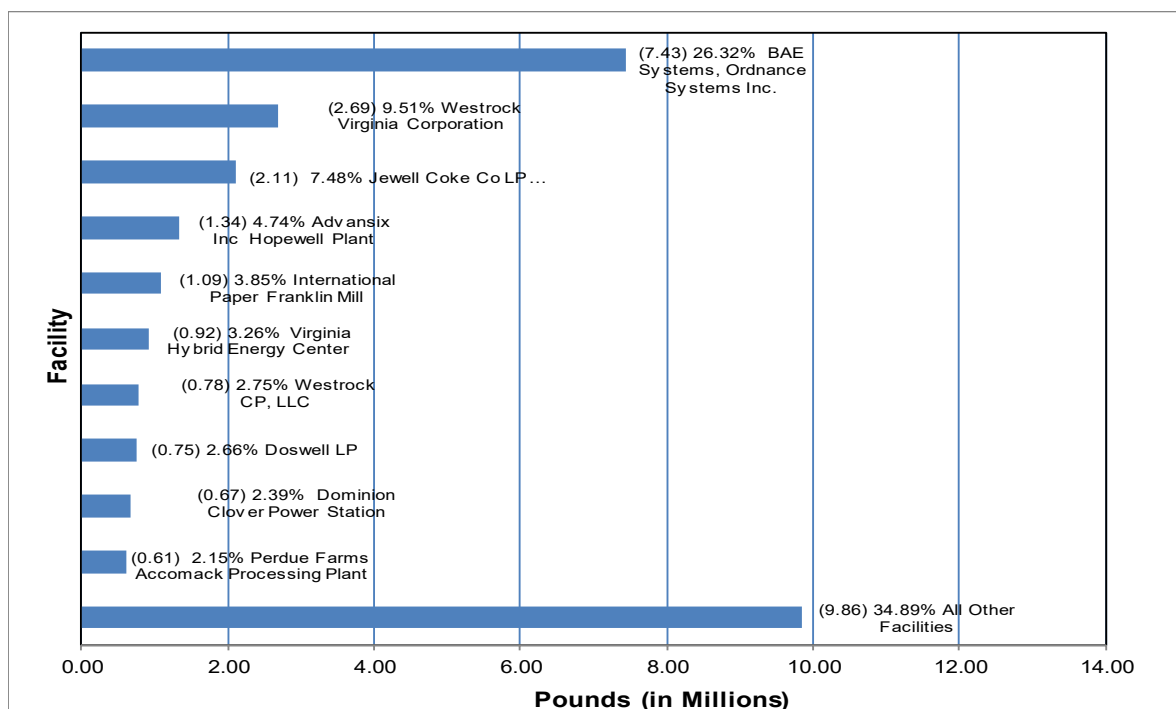
Virginia facilities that reported the highest contributions to the on-site release of TRI chemicals to the air (fugitive and stack), water, and land in 2018 were:

- BAE Systems, Ordnance Systems Inc.- Radford, Montgomery County
- Westrock Virginia Corporation - City of Covington
- Jewell Coke Co L.P. - Buchanan County
- Advansix, Inc. - Hopewell Plant - City of Hopewell
- International Paper Franklin Mill - City of Franklin
- Virginia City Hybrid Energy Center - Wise County
- Westrock CP, LLC - West Point, King William County
- Doswell L.P. – Hanover County
- Dominion Clover Power Station - Clover, Halifax County
- Perdue Farms Accomack Processing Plant - Accomack County

These facilities accounted for 65.11 percent (18.39 million pounds) of all reported TRI releases for 2018. Of the 10 facilities, three are power generation facilities; three are paper manufacturing facilities; two are chemical manufacturing facilities; one is a food processing facility; and one is a petroleum and coal products manufacturing facility.

Figure 11 shows the quantity of TRI chemicals each of these facilities released in Virginia in 2018. See Appendix I-1 for a complete ranking of on-site releases by facility.

Figure 11. 2018 Top 10 Virginia Facilities Reporting Releases of TRI Chemicals On-Site (From Section 5 of Form R. The numbers next to each bar are the total on-site releases (in millions of pounds), in the parentheses and the percent of total on-site releases for all 2018 chemicals reported for each facility.)



Facilities Reporting On-Site Management of TRI Chemicals

Figure 12 shows the 10 Virginia facilities reporting management of the greatest quantity of TRI chemicals on-site in 2018 other than releases. These facilities were:

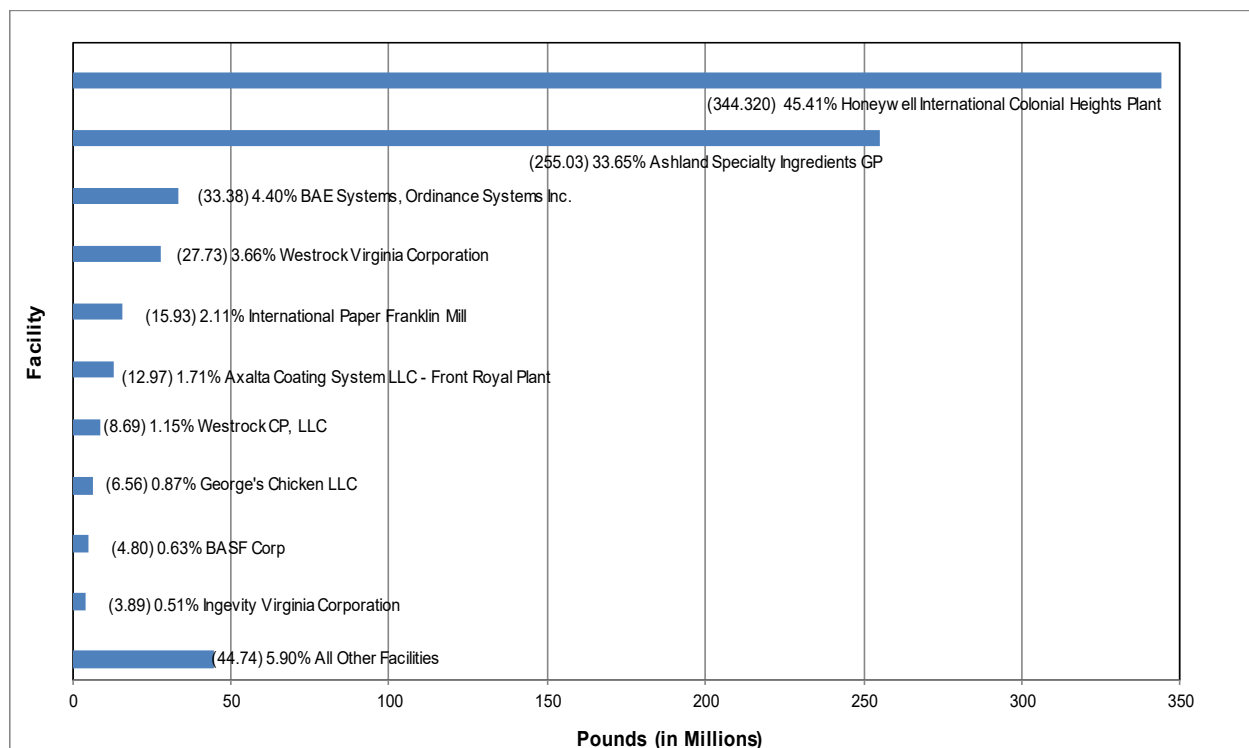
- Honeywell International Colonial Heights Plant - City of Colonial Heights
- Ashland Specialty Ingredients GP - City of Hopewell
- BAE Systems, Ordinance Systems Inc. - Radford, Montgomery County
- Westrock Virginia Corporation - City of Covington
- International Paper Franklin Mill - City of Franklin
- Axalta Coating Systems, LLC - Front Royal Plant - Front Royal, Warren County
- Westrock CP, LLC - West Point, King William County
- George's Chicken LLC - Edinburg, Shenandoah County
- BASF Corporation - City of Suffolk
- Ingevity Virginia Corporation - City of Covington

These facilities accounted for approximately 94.10 percent (713.19 million pounds) of all reported on-site management (other than releases) in 2018.

Figure 12 shows the quantity each of these facilities managed on-site. Of the 10 facilities, six are chemical manufacturing facilities; three are paper manufacturing facilities; and one is a food manufacturing facility. See Appendix I-2 for a ranking of on-site management by facility.

Figure 12: 2018 Top 10 Virginia Facilities Managing TRI Chemicals On-Site, Other than Releases

(From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds) for each facility, in the parentheses, and the percent of total on-site management of TRI chemicals for each facility. This figure does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Part Three - Jurisdictions

Jurisdictions with Facilities Reporting On-Site Releases of TRI Chemicals

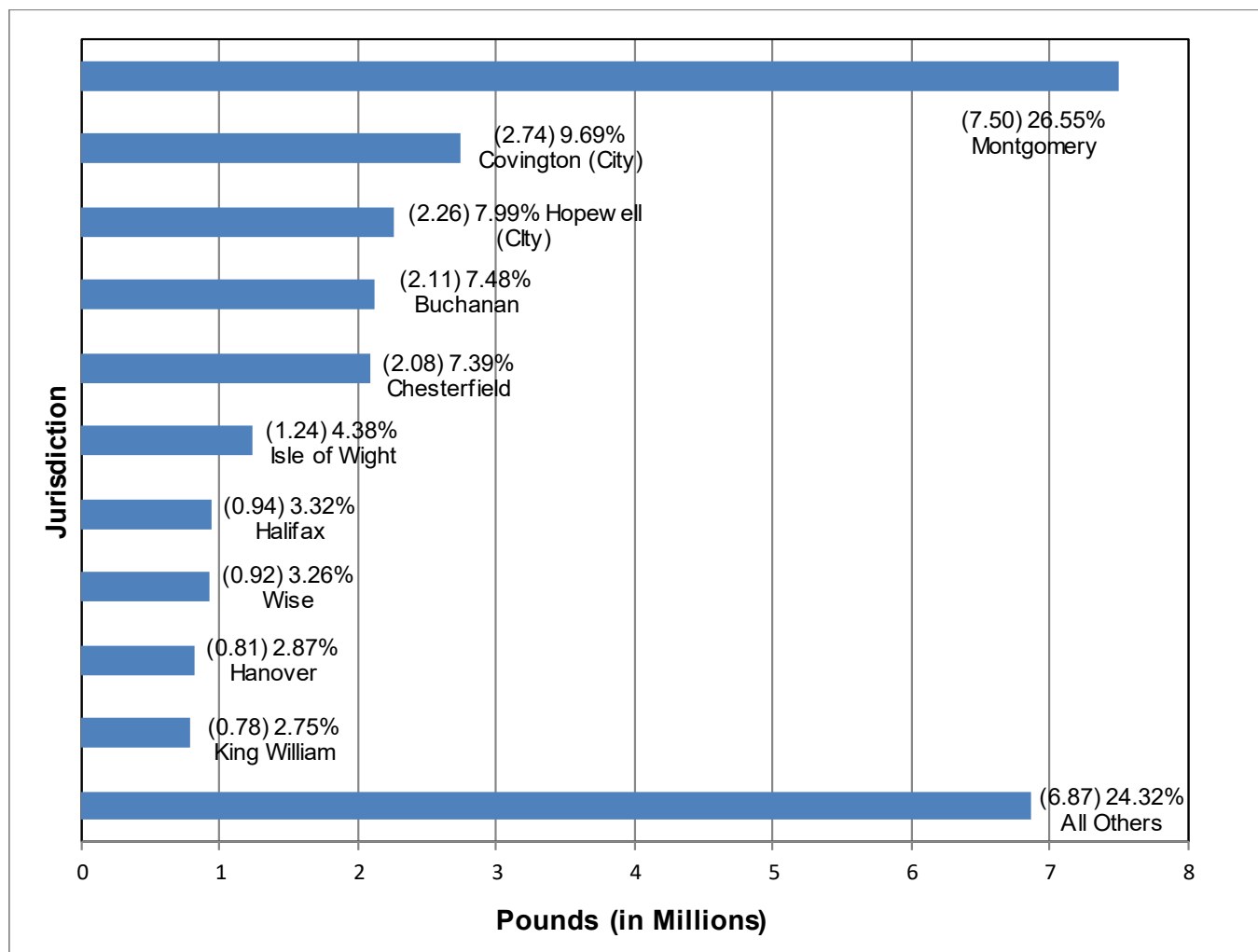
The Virginia jurisdictions (counties and independent cities) with facilities having the largest reported amount of total TRI chemicals released on-site to the environment (air, water, and land) in 2018 were: Montgomery County, City of Covington, City of Hopewell, Buchanan County, Chesterfield County, Isle of Wight County, Halifax County, Wise County, Hanover County, and King William County.

The reported on-site releases occurring within these jurisdictions comprised 75.68 percent (21.38 million pounds) of the total TRI chemicals released on-site into the environment by reporting facilities in Virginia.

Appendix J-1 contains a ranking of jurisdictions by the on-site releases of facilities located in each jurisdiction. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

Figure 13. 2018 Top 10 Virginia Jurisdictions for On-Site TRI Releases Reported by Facilities

(From Section 5 of the Form R. The number next to each bar represents the total on-site releases (in millions of pounds), in the parentheses, and the percent of the total on-site releases for each jurisdiction.)

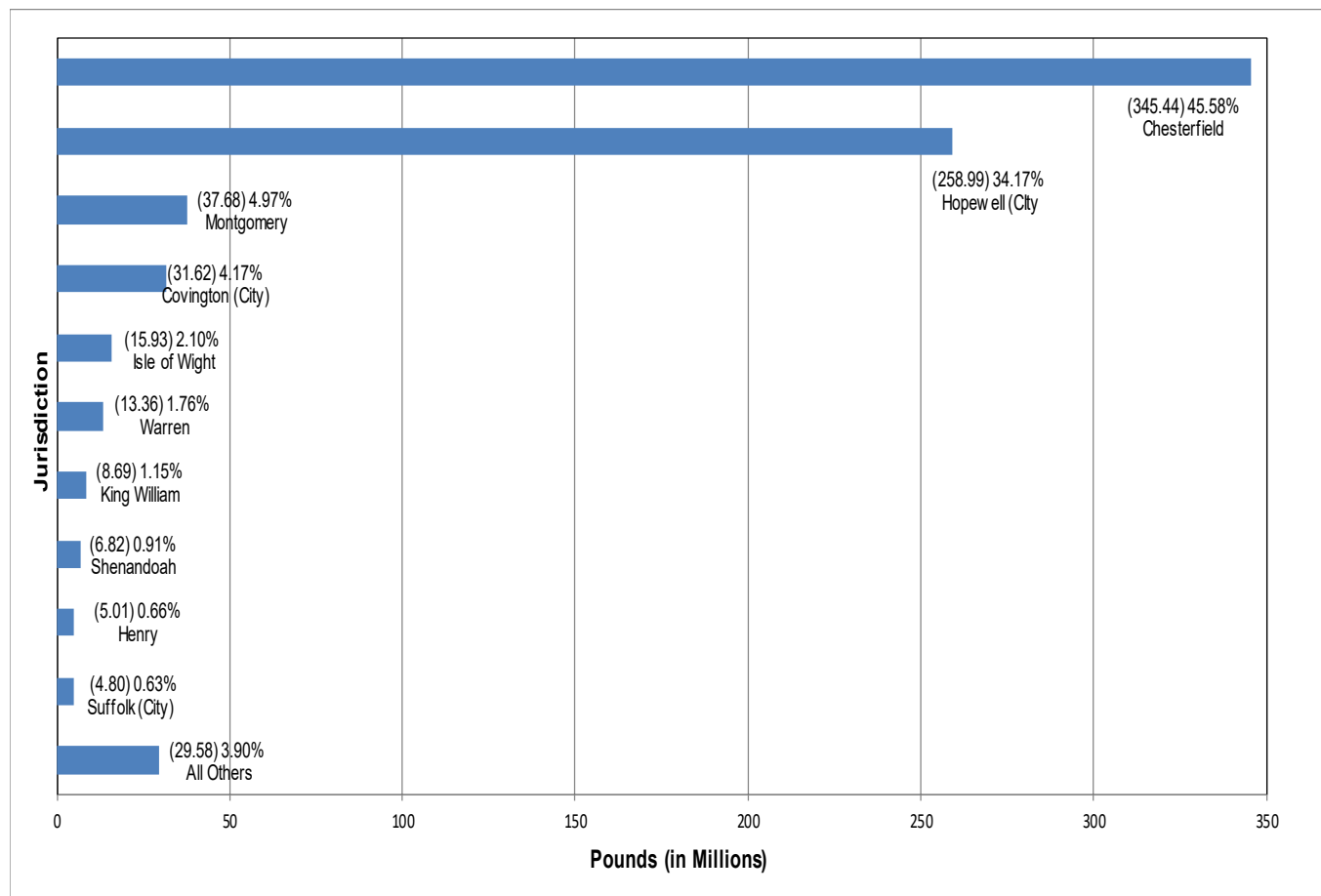


Jurisdictions with Facilities Reporting Other On-site Management of TRI Chemicals

The Virginia jurisdictions with facilities having the largest total reportable TRI chemicals managed on-site (other than releases) were: Chesterfield County, City of Hopewell, Montgomery County, City of Covington, Isle of Wight County, Warren County, King William County, Shenandoah County, Henry County, and City of Suffolk. The on-site management of these chemicals in these jurisdictions comprised 96.06 percent (728.35 million pounds) of the total managed on-site (other than releases) by reporting facilities in Virginia.

Appendix J-2 contains a ranking of jurisdictions by the on-site management of facilities located there. Furthermore, Appendices F and G contain detailed information about facilities located in these jurisdictions.

Figure 14. 2018 Top 10 Virginia Jurisdictions for TRI Chemicals Managed On-Site as Reported by Facilities: (From Section 8 of the Form R. The number next to each bar is the total on-site management (in millions of pounds), in the parentheses, and the percent of the total of TRI chemicals managed on-site for each jurisdiction. Figure 14 does not include the data extracted and re-aggregated from Sections 5 and 6 of Form R.)



Chapter Four – Virginia TRI Historical Comparison

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. Over the past 30 years, various regulatory changes have occurred. In addition, facilities are authorized to revise reports from previous years. Allowing facilities to submit revised reports for previous years makes direct comparison of current data to historical reports difficult and potentially misleading. Appendix E provides further information about the changes in reporting requirements and sets out limited historical data which have been standardized.³

Nevertheless, reporting years 2016, 2017, and 2018 are generally comparable and Chapter Four presents data for those three years. All revisions for these reporting years received on or before January 7, 2020, have been incorporated.

Table 6 compares TRI data for reporting years 2016 to 2018 by type of release, transfer, and on-site management.

For reporting year 2018 the total amount of on-site releases shows a decrease from the corresponding amount for reporting year 2017, off-site transfers increased, and on-site management decreased from the corresponding amounts for reporting year 2017. From 2017 to 2018 the total TRI chemicals released on-site, transferred off-site, or managed on-site decreased by 5.56 percent.

Table 6 shows the changes with respect to on-site releases from reporting year 2017 to 2018, including a 0.02 percent decrease in on-site releases to air, a 19.12 percent decrease in on-site releases to water, and a 12.87 percent decrease in on-site releases to land. There was an overall decrease of 8.27 percent for on-site releases from 2017 to 2018.

The overall quantities of TRI chemicals transferred off-site for further management or disposal increased by 8.70 percent from 2017 to 2018. With respect to off-site transfers, Table 6 shows an 8.69 percent increase in TRI chemicals being transferred off site for other treatment and a 11.03 percent increase in TRI chemicals being transferred off-site for recycling from 2017 to 2018.

Table 6 also shows that the on-site management of TRI chemicals through treatment, recycling, or energy recovery decreased in 2018. The 2018 report data show a decrease in on-site energy recovery by 13.69 percent, a decrease in on-site recycling by 7.37 percent, and an 0.58 decrease in on-site treatment. The overall quantities of TRI chemicals managed on-site decreased by 6.53 percent for 2018.

Longer term trends can be seen in the last column of Table 6. Over three years, on-site releases of TRI chemicals decreased by 21.91 percent, off-site transfers increased by 3.03 percent, and on-site management decreased by 6.82 percent. From 2016 through 2018, Virginia facilities reported a 6.72 percent decrease in the release, transfer, or other management of TRI chemicals.

³ The information in Appendix E is historical and is for general comparison purposes only.
Virginia TRI Report – Summary of Data
from 2018 Facility Reports (issued March 2020)

Table 6. Comparison Summary Data by Type of Release, Transfer and On-Site Management for TRI Chemicals for 2016, 2017 and 2018 (from Table 1)

Management Activities	RY 2016 (Pounds)*	RY 2017 (Pounds)*	RY 2018 (Pounds)	Changes 2017-2018	% Change 2017-2018	% Change 2016-2018
On-Site Releases						
Air (Total)	19,059,858.65	16,511,869.86	16,508,457.36	-3,412.50	-0.02%	-13.39%
Fugitive Air	3,458,527.64	3,652,709.68	3,462,295.09	-190,414.59	-5.21%	0.11%
Stack Air	15,601,331.01	12,859,160.18	13,046,162.27	187,002.09	1.45%	-16.38%
Water	13,571,327.82	11,297,988.65	9,137,577.54	-2,160,411.10	-19.12%	-32.67%
Land	3,541,540.62	2,986,888.89	2,602,408.81	-384,480.08	-12.87%	-26.52%
Total	36,172,727.09	30,796,747.40	28,248,443.72	-2,548,303.68	-8.27%	-21.91%
Off-Site Transfers						
POTW	16,272,405.67	15,905,069.20	17,775,431.97	1,870,362.77	11.76%	9.24%
Other Off-Site Transfers	47,934,485.15	44,954,754.02	48,379,542.31	3,424,788.30	7.62%	0.93%
Recycling	25,367,784.99	22,175,644.29	24,620,738.08	2,445,093.79	11.03%	-2.94%
Energy Recovery	3,904,177.57	3,786,729.87	3,518,089.44	-268,640.43	-7.09%	-9.89%
Other Treatment	15,730,806.06	15,888,579.70	17,268,575.57	1,379,995.86	8.69%	9.78%
Disposal	2,931,716.53	3,103,800.15	2,972,139.23	-131,660.92	-4.24%	1.38%
Total	64,206,890.82	60,859,823.22	66,154,974.28	5,295,151.07	8.70%	3.03%
On-Site Management						
Treated On-Site	106,977,756.99	104,073,554.90	103,473,321.21	-600,233.69	-0.58%	-3.28%
Recycled On-Site	703,337,255.36	702,998,486.36	651,206,005.27	-51,792,481.09	-7.37%	-7.41%
Energy Recovery On-Site	3,078,723.78	3,766,856.25	3,251,145.00	-515,711.25	-13.69%	5.60%
Total	813,393,736.13	810,838,897.51	757,930,471.48	-52,908,426.03	-6.53%	-6.82%
Grand Total	913,773,354.04	902,495,468.12	852,333,889.48	-50,161,578.64	-5.56%	-6.72%

*TRI report data for 2016 and 2017 reporting years have been revised to include partial facility reports which were not previously being captured.

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Table 7 compares, in detail, the TRI data for PBT chemicals by type of release, transfer, and on-site management for reporting years 2016 to 2018. From 2017 to 2018, the total of PBT chemicals released on-site, transferred off-site, or managed on-site increased by 35.03 percent.

The data show a decrease in releases to air and land, specifically for fugitive air, of PBT chemicals compared to 2017, and an increase in releases to water. Table 7 also shows an increase of 25.05 percent in the total of PBT chemicals released on-site and managed on-site for reporting years 2016 to 2018.

Table 7. Comparison Summary Data by Type of Release, Transfer and On-site Management for PBT chemicals for 2016, 2017 and 2018 (from Table 3)

Management Activities	RY 2016 (Pounds)*	RY 2017 (Pounds)*	RY 2018 (Pounds)	Changes 2017-2018 (Pounds)	% Change 2017-2018	% Change 2016-2018
On-Site Releases						
Air (Total)	18,263.88	17,588.06	13,638.69	-3,949.37	-22.45%	-25.32%
Fugitive Air	6,732.82	6,715.62	2,508.26	-4,207.36	-62.49%	-62.75%
Stack Air	12,322.29	10,872.45	11,130.43	257.99	2.09%	-9.67%
Water	8,378.55	5,046.31	7,765.57	2,719.26	32.46%	-7.32%
Land	365,718.35	339,172.78	270,336.71	-68,836.07	-18.82%	-26.08%
Total	393,152.01	361,807.15	291,740.97	-70,066.18	-17.82%	-25.79%
Off-Site Transfers						
POTW	648.51	668.02	683.44	15.42	2.38%	5.39%
Other Off-Site Transfers	748,338.28	756,752.20	1,277,229.91	520,477.71	69.55%	70.68%
Recycling	653,816.60	645,074.34	1,124,981.78	479,907.45	73.40%	72.06%
Energy Recovery	1,899.88	2,610.27	19,866.20	17,255.93	908.26%	945.66%
Other Treatment	3,255.70	1,573.72	2,854.12	1,280.40	39.33%	-12.33%
Disposal	89,366.10	107,493.88	129,527.81	22,033.93	24.66%	44.94%

*TRI report data for 2016 and 2017 reporting years have been revised to include partial facility reports which were not previously being captured.
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	RY 2016 (Pounds)*	RY 2017 (Pounds)*	RY 2018 (Pounds)	Changes 2017-2018 (Pounds)	% Change 2017-2018	% Change 2016-2018
Management Activities						
Total	748,986.78	757,420.22	1,277,913.35	520,493.13	69.49%	70.62%
On-Site Management						
Treated On-Site	8.10	8.10	8.10	0.00	0.00%	0.00%
Recycled On-Site	159,908.23	86,611.26	58,573.96	-28,037.30	-17.53%	-63.37%
Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00%	0.00%
Total	159,916.33	86,619.36	58,582.06	-28,037.30	-17.53%	-63.37%
Grand Total	1,302,055.13	1,205,846.73	1,628,236.38	422,389.65	35.03%	25.05%

*TRI report data for 2016 and 2017 reporting years have been revised to include partial facility reports which were not previously being captured.
*Virginia TRI Report – Summary of Data
 from 2018 Facility Reports (issued March 2020)*

Chapter Five - Conclusion

The 2018 Virginia TRI Report is issued pursuant to Virginia Code §10.1-1186.1. The report has information on chemicals and chemical categories, activities involving their use, industrial sectors, facilities and facility locations (jurisdictions).

The report provides information concerning listed toxic chemicals and chemical categories that are manufactured, processed, or otherwise used at Virginia facilities, including amounts released to the environment, transferred off-site and managed on-site. Industry and the public can use the data in a variety of ways, including as a measurement of progress toward reduction targets. As noted previously the majority of the releases to the environment included in the TRI report occur under a federal or state permitting program determined to be protective of human health and the environment.

Appendix A – Glossary of Terms

Coincidental Manufacture – Production of an EPCRA section 313 chemical as a byproduct or impurity as a result of the manufacture, processing, otherwise use, treatment, disposal, or other waste management of other chemical substances.

Energy Recovery – Recovery of useful energy from waste mainly through combustion of chemical waste.

Facility – Defined for the purposes of TRI reporting as all buildings, equipment, structures, and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (entity).

Fugitive (Non-Point) Air Releases – Emissions to the air that are not conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, and evaporative losses from surface impoundments and spills.

Manufacture – To produce, prepare, import, or compound a toxic chemical.

North American Industry Classification System (NAICS) - NAICS is the standard used by Federal statistical agencies which collect or publish data by industry. It is a system for classifying an establishment by type of economic activity.

Off-Site Locations – Locations outside the boundaries of a facility to which wastes are transported for treatment, energy recovery, recycling, or disposal.

Otherwise Use – Any use of a toxic chemical at a facility which is not covered by the definitions of manufacture or process. This includes any activities in which a listed toxic chemical does not become intentionally incorporated into the final product for distribution in commerce. Examples of otherwise use include degreasers, solvents in paints that are applied to a product, chemicals used in water treatment, and refrigerants or coolants.

Persistent Bio-accumulative Toxic (PBT) chemical – A chemical that is stable for a long period of time, and builds up in the environment, particularly in food chains.

Publicly Owned Treatment Works (POTW) – A wastewater treatment facility which is owned by a unit of the government.

Process – Refers to the preparation of a listed toxic chemical after its manufacture, for distribution in commerce. Processing is usually the intentional incorporation of a toxic chemical into a product. It includes making mixtures, repackaging, and using a toxic chemical as a feedstock, raw material, or starting material for making another chemical.

Recycle – The process of capturing a useful product from a waste stream. Solvent recovery, metals recovery, and acid regeneration are examples of recycling.

Releases – Refers to on-site discharges of TRI chemicals to the air, water, land, and disposal in underground injection wells (none in Virginia). They include permitted, accidental, and non-permitted discharges.

Releases to Air – See fugitive (non-point) air releases and stack (point source) air releases.

Releases to Land – Refers to land-filling, surface impoundment, land treatment/application farming or any other release of a toxic chemical to land within the boundaries of a facility.

Releases to Water – Refers to discharging of chemicals to surface waters such as rivers, lakes, ponds, and streams within the boundaries of a facility.

Source Reduction/Pollution Prevention – Activities that reduce the quantity and /or toxicity of wastes generated. Improved operation and maintenance, process and equipment modification, conservation practices, material substitution, product modification, and in-process recycling are examples of pollution prevention.

Stack (Point Source) Air Releases – Emissions to the air that are conveyed through stacks, vents, ducts, pipes, or other confined air streams within the boundaries of a facility. Examples include storage tank emissions and emissions from air pollution control equipment.

Standard Industrial Classification Code (SIC Code) – A four digit number code designated by the Federal Office of Management and Budget to describe the type of activity(s) at a facility. The first two numbers of the code define a major business sector, and the last two numbers define a facility's specialty within the major sector.

Toxic – A substance that produces or causes systemic damage to an organism.

Transfers – Refers to TRI chemicals sent off-site for energy recovery, recycling, treatment, or disposal. They are reported as transfers to either Publicly Owned Treatment Works (POTWs) or other off-site transfers (non-POTWs) such as incinerators, landfills, other treatment, recycling, energy recovery, or disposal facilities not part of the reporting facility.

Appendix B – Supplementary Resources

Additional TRI data and individual facility information are available for the 1997 through 2018 reporting years. If you would like additional information on specific facilities or chemicals, please call the Virginia Department of Environmental Quality's SARA Title III Office at (804) 698-4467 or direct your request in writing to the Virginia Department of Environmental Quality, SARA Title III Office, P.O. Box 1105, Richmond, Virginia, 23218.

1. TRI data can be accessed on the Internet through the Virginia Department of Environmental Quality SARA Title III Program web page:
<http://www.DEQ.Virginia.gov/Programs/Air/AirQualityPlanningEmissions/SARATitleIII/SARA313ToxicsReleaseInventory.aspx>
2. The Form Rs submitted by facilities within the state are on file at the Virginia Department of Environmental Quality. Any inquiries about Form R information or the TRI program in Virginia should be made to the SARA Title III Program Coordinator.
3. The Environmental Protection Agency's Toxic Release Reporting Center is the national repository for all TRI reports submitted to the EPA. The data is available on CD-ROM, magnetic tape, floppy disk, and microfiche. Copies of the reports were distributed to more than 3,000 libraries nationwide.
4. Any questions regarding the Emergency Planning and Community Right to Know Act (EPCRA) can be forwarded to EPA's toll free EPCRA call center. The phone numbers are: (800) 424-9346, (703) 412-9810, or TDD (800) 553-7672.
5. The Toxic Release Inventory – Made Easy Web (TRI-MEweb) includes instructions for on-line reporting and submittal of TRI reports. The TRI-MEweb Resources page on EPA's website contains guidance documents and tutorials to help facilities with TRI reporting. For more information visit EPA's website: <http://www.epa.gov/toxics-release-inventory-tri-program/tri-meweb-resources>.
6. **Right-to-Know Network (RTK NET)** offers access to TRI data, along with health facts for each TRI chemical, searchable nationwide TRI data. RTK NET promotes pollution prevention, data analyses, and communication among individuals concerned about toxics use reduction.
<http://www.rtknet.org/>.
7. **ENVIROFACTS** integrates data extracted from several EPA programs, including TRI. ENVIROFACTS allows users to search the database by facility name, its location, by chemical, or by NAICS code. <http://www3.epa.gov/enviro/>.
8. **TRI Explorer** is another tool provided by EPA, which allows users to search TRI data by county, facility, chemical, etc. <http://www.epa.gov/triexplorer/>.
9. **EPCRA Section 313** program information and consolidated list of chemicals subject to EPCRA Section 313 and other federal programs, please visit EPA's website: <http://www.epa.gov/tri/>.

10. **EPA's Risk Screening Environmental Indicators (RSEI)** is a computer based model that uses TRI data for analysis of risk-related impacts of toxic chemical releases and transfers in the US.
<http://www.epa.gov/opptintr/rsei/>.

Appendix C – TRI Covered Industry Groups by North American Industry Classification System

TRI covered industry groups are identified by the following North American Industry Classification Systems (NAICS) sub-sector codes and general industry types:


- 211 Oil and Gas Extraction
- 212 Mining
- 221 Utilities
- 311 Food Manufacturing
- 312 Beverage and Tobacco Product Manufacturing
- 313 Textile Mills
- 314 Textile Product Mills
- 321 Wood Product Manufacturing
- 322 Paper Manufacturing
- 323 Printing and Related Support Activities
- 324 Petroleum and Coal Products Manufacturing
- 325 Chemical Manufacturing
- 326 Plastics and Rubber Products Manufacturing
- 331 Primary Metal Manufacturing
- 332 Fabricated Metal Product Manufacturing
- 333 Machinery Manufacturing
- 334 Computer and Electronic Product Manufacturing
- 335 Electrical Equipment, Appliance, and Component Manufacturing
- 336 Transportation Equipment Manufacturing
- 337 Furniture and Related Product Manufacturing
- 339 Miscellaneous Manufacturing
- 424 Merchant Wholesalers, Non Goods
- 562 Waste Management and Remediation Services
- 924 Administration of Environmental Quality Programs
- 927 Space Research and Technology
- 928 National Security and International Affairs

Appendix D - 2018 VA TRI Reporting Forms

Appendix D

2018 Toxics Release Inventory

Please note that the TRI reporting forms in this appendix are for reference only. Do not submit these forms to EPA. All facilities are required to submit their TRI data electronically using the TRI-MEweb application, per the TRI Electronic Reporting Rule. A link to the reporting rule language can be found at the following address: <http://www.epa.gov/toxics-release-inventory-tri-program/electronic-reporting-toxics-release-inventory-data>.

 FORM R Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also Known as Title III of the Superfund Amendments and Reauthorization Act		Form Approved OMB Number: 2025-0009 Approval Expires: 10/31/2021 Page 1 of 6
Complete form online via TRI-MEweb. For a trade secret submission, send completed forms to TRI Reporting Center, P. O. Box 10163, Fairfax, VA 22038. The annual public burden related to the Form R is estimated to average 35.71 hours per response for a facility filing a report on one chemical. See the Reporting Forms and Instructions for more information on submissions and the Paperwork Reduction Act.		TRI Facility ID Number _____
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.		Toxic Chemical, Category, or Generic Name _____
Revision (Enter up to two code(s)) _____		Withdrawal (Enter up to two code(s)) _____
IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.		
PART I. FACILITY IDENTIFICATION INFORMATION		
SECTION 1. REPORTING YEAR _____		
SECTION 2. TRADE SECRET INFORMATION		
2.1 Are you claiming the toxic chemical identified on page 2 as a trade secret? <input type="checkbox"/> Yes (Answer question 2.2; attach substantiation forms) <input type="checkbox"/> No (Do not answer 2.2; go to Section 3)	2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "Yes" in 2.1)	
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.) I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.		
Name and official title of owner/operator or senior management official: _____		Signature: _____ Date signed: _____
SECTION 4. FACILITY IDENTIFICATION		
Facility or Establishment Name _____		TRI Facility ID Number _____ BIA Code _____
4.1 Physical Street Address _____		Mailing Address (if different from physical street address) _____
City/County/State/ZIP Code _____		City/State/ZIP Code _____ Country (Non-US) _____
4.2 This report contains information for: (Important: Check a or b; check c or d if applicable) a. <input type="checkbox"/> An entire facility b. <input type="checkbox"/> Part of a facility c. <input type="checkbox"/> A federal facility d. <input type="checkbox"/> GOCO		
4.3 Technical Contact Name _____		Telephone Number (include area code and ext.) _____
Email Address _____		
4.4 Public Contact Name _____		Telephone Number (include area code and ext.) _____
Email Address _____		
4.5 NAICS Code(s) (6 digits) Primary _____ a. _____ b. _____ c. _____ d. _____ e. _____ f. _____		
4.6 Dun & Bradstreet Number(s) (9 digits) a. _____ b. _____		
SECTION 5. Parent Company Information		
5.1 Name of U.S. Parent Company (for TRI Reporting purposes) _____		No U.S. Parent Company (for TRI Reporting purposes) <input type="checkbox"/>
5.2 Parent Company's Dun & Bradstreet Number _____		NA <input type="checkbox"/>

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FORM R Part II. CHEMICAL-SPECIFIC INFORMATION		TRI Facility ID Number	
		Toxic Chemical, Category, or Generic Name	
SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you are reporting a mixture component in Section 2 below.)			
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)		
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)		
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)		
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1.)			
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)		
SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)			
3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:
a. <input type="checkbox"/> Produce b. <input type="checkbox"/> Import If Produce or Import c. <input type="checkbox"/> For on-site use/processing d. <input type="checkbox"/> For sale/distribution e. <input type="checkbox"/> As a byproduct f. <input type="checkbox"/> As an impurity		a. <input type="checkbox"/> As a reactant b. <input type="checkbox"/> As a formulation component c. <input type="checkbox"/> As an article component d. <input type="checkbox"/> Repackaging e. <input type="checkbox"/> As an impurity f. <input type="checkbox"/> Recycling	
		3.3 Otherwise use the toxic chemical: a. <input type="checkbox"/> As a chemical processing aid b. <input type="checkbox"/> As a manufacturing aid c. <input type="checkbox"/> Ancillary or other use	
SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR			
4.1	(Enter two-digit code from instruction package.)		
SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE			
		A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)
		C. Percent from Stormwater	
5.1	Fugitive or non-point air emissions	NA <input type="checkbox"/>	
5.2	Stack or point air emissions	NA <input type="checkbox"/>	
5.3	Discharges to receiving streams or water bodies (Enter one name per box)	NA <input type="checkbox"/>	
Stream or Water Body Name		Reach Code (optional)	
5.3.1			
5.3.2			
If additional pages of Part II, Section 3.2 and 3.3 are attached, indicate the total number of pages in this box <input type="text"/> and indicate the Part II, Section 3.2 and 3.3 page number in this box. <input type="text"/> (Example: 1, 2, 3, etc.) If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box <input type="text"/> and indicate the Part II, Section 5.3 page number in this box. <input type="text"/> (Example: 1, 2, 3, etc.)			

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*For Dioxin or Dioxin-like compounds, report in grams/year.

**Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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FORM R				TRI Facility ID Number	
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)				Toxic Chemical, Category, or Generic Name	
SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE (continued)					
		NA	A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (Enter code)	
5.4-5.5	Disposal to land on-site				
5.4.1	Class I Underground Injection Wells	<input type="checkbox"/>			
5.4.2	Class II-V Underground Injection Wells	<input type="checkbox"/>			
5.5.1A	RCRA Subtitle C landfills	<input type="checkbox"/>			
5.5.1B	Other landfills	<input type="checkbox"/>			
5.5.2	Land treatment/application farming	<input type="checkbox"/>			
5.5.3A	RCRA Subtitle C surface impoundments	<input type="checkbox"/>			
5.5.3B	Other surface impoundments	<input type="checkbox"/>			
5.5.4	Other disposal	<input type="checkbox"/>			
Optional Waste Rock Piles Information You may check this box if your Section 5.5 quantities include "waste rock piles." <input type="checkbox"/> Enter quantity of "waste rock piles" (pounds/year*) 					
SECTION 6. TRANSFER(S) OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS					
6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs) NA <input type="checkbox"/>					
6.1. POTW Name 					
POTW Address 					
City 		County 		State ZIP 	
A. Quantity Transferred to this POTW (pounds/year*) (Enter range code** or estimate)		B. Basis of Estimate (Enter code)		C. Disposal/Treatment (Enter code)	
1.		1.		1. P	
2.		2.		2. P	
3.		3.		3. P	
If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box and indicate the Part II, Section 6.1 page number in this box. (Example: 1, 2, 3, etc.)					
SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS NA <input type="checkbox"/>					
6.2. Off-Site EPA Identification Number (RCRA ID No.) 					
Off-Site Location Name: 					
Off-Site Address: 					
City 		County 		State ZIP Country (non-US) 	
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No					

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*For Dioxin or Dioxin-like compounds, report in grams/year.

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FORM R Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)					TRI Facility ID Number	
					Toxic Chemical, Category, or Generic Name	
SECTION 6.2. TRANSFERS TO OTHER OFF-SITE LOCATION (CONTINUED)						
A. Total Transfer (pounds/year*) (Enter a range code** or estimate)		B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)		
1.		1.		1. M		
2.		2.		2. M		
3.		3.		3. M		
6.2 Off-Site EPA Identification Number (RCRA ID No.)						
Off-Site Location Name:						
Off-Site Address:						
City		County		State		ZIP
Country (non-US)						
Is this location under control of reporting facility or parent company? <input type="checkbox"/> Yes <input type="checkbox"/> No						
A. Total Transfer (pounds/year*) (Enter a range code** or estimate)		B. Basis of Estimate (Enter code)		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (Enter code)		
1.		1.		1. M		
2.		2.		2. M		
3.		3.		3. M		
SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY						
<input type="checkbox"/> Not Applicable (NA) - Check here if no on-site waste treatment method is applied to any waste stream containing the toxic chemical or chemical category.						
a. General Waste Stream (Enter code)		b. Waste Treatment Method(s) Sequence (Enter 3- or 4-character code(s))				c. Waste Treatment Efficiency (Enter 2 character code)
7A.1a	7A.1b	1	2	3	4	7A.1c
	3	4	5			
	6	7	8			
7A.2a	7A.2b	1	2	3	4	7A.2c
	3	4	5			
	6	7	8			
7A.3a	7A.3b	1	2	3	4	7A.3c
	3	4	5			
	6	7	8			
7A.4a	7A.4b	1	2	3	4	7A.4c
	3	4	5			
	6	7	8			
7A.5a	7A.5b	1	2	3	4	7A.5c
	3	4	5			
	6	7	8			
If additional pages of Part II, Section 6.2/7.A are attached, indicate the total number of pages in this <input type="text"/> box and indicate the Part II, Section 6.2/7.A page number in this box. <input type="text"/> (Example: 1, 2, 3, etc.)						

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*For Dioxin or Dioxin-like compounds, report in grams/year.

**Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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FORM R		TRI Facility ID Number	
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)		Toxic Chemical, Category, or Generic Name	
SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES			
<input type="checkbox"/> NA Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.			
Energy Recovery Methods (Enter 3-character code(s))			
1	2	3	
SECTION 7C. ON-SITE RECYCLING PROCESSES			
<input type="checkbox"/> NA Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.			
Recycling Methods (Enter 3-character code(s))			
1.	2.	3.	
SECTION 8. SOURCE REDUCTION AND WASTE MANAGEMENT			
	Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)
8.1 – 8.7 Production-Related Waste Managed			
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		
8.1b	Total other on-site disposal or other releases		
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills		
8.1d	Total other off-site disposal or other releases		
8.2	Quantity used for energy recovery on-site		
8.3	Quantity used for energy recovery off-site		
8.4	Quantity recycled on-site		
8.5	Quantity recycled off-site		
8.6	Quantity treated on-site		
8.7	Quantity treated off-site		
8.8	Non-Production-Related Waste Managed**		
8.9	<input type="checkbox"/> Production ratio or <input type="checkbox"/> Activity ratio (select one and enter value to the right)		
8.10 Did your facility engage in any newly implemented source reduction activities for this chemical during the reporting year? If so, complete the following section; if not, check NA. NA <input type="checkbox"/>			
	Source Reduction Activities (Enter code(s))	Methods to Identify Activity (Enter code(s))	
		Estimated annual reduction (Enter code(s)) (optional)	
8.10.1	a.	b.	c.
8.10.2	a.	b.	c.
8.10.3	a.	b.	c.
8.10.4	a.	b.	c.

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*For Dioxin or Dioxin-like compounds, report in grams/year.

**Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes

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FORM R		TRI Facility ID Number
Part II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)		Toxic Chemical, Category, or Generic Name
SECTION 8.11. DISPOSAL OR OTHER RELEASES, SOURCE REDUCTION, AND RECYCLING ACTIVITIES		
8.11	If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, provide it here.	
SECTION 9. MISCELLANEOUS INFORMATION		
9.1	If you wish to submit any miscellaneous, additional, or optional information regarding your Form R submission, provide it here.	

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		FORM R Schedule 1										TRI Facility ID Number	
		PART II. CHEMICAL-SPECIFIC INFORMATION (continued)											
SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE													
		5.1	NA		5.2	NA		5.3	Discharges to receiving streams or water bodies (Enter data for one stream or water body per box)			NA	
		Fugitive or non-point air emissions			Stack or point air emissions			5.3.1		5.3.2		5.3.3	
D. Mass (grams) of each compound in the category (1-17)	1												
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16												
	17												
If additional pages of Section 5.3 are attached, indicate the total number of pages in this box <input type="text"/> and indicate the Section 5.3 page number in this box (Example: 1, 2, 3, etc.) <input type="text"/>													

See the Reporting Forms and Instructions for information on submissions and the Paperwork Reduction Act.

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FORM R Schedule 1										TRI Facility ID Number																
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)																										
SECTION 5. QUANTITY OF DIOXIN AND DIOXIN-LIKE COMPOUNDS ENTERING EACH ENVIRONMENTAL MEDIUM ON-SITE																										
5.4 – 5.5 Disposal to land on-site																										
		5.4.1	NA		5.4.2	NA		5.5.1.A	NA		5.5.1.B	NA		5.5.2	NA		5.5.3.A	NA		5.5.3.B	NA		5.5.4	NA		
		Class I Underground Injection Wells			Class II-V Underground Injection Wells			RCRA Subtitle C landfills			Other landfills			Land treatment/ application farming			RCRA Subtitle C surface impoundments			Other surface impoundments			Other disposal			
C. Mass (grams) of each compound in the category (1-17)	1																									
	2																									
	3																									
	4																									
	5																									
	6																									
	7																									
	8																									
	9																									
	10																									
	11																									
	12																									
	13																									
	14																									
	15																									
	16																									
	17																									

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FORM R Schedule 1										TRI Facility ID Number	
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)											
SECTION 6. TRANSFERS OF DIOXIN AND DIOXIN-LIKE COMPOUNDS IN WASTES TO OFF-SITE LOCATIONS											
6.1. DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)										NA <input style="width: 50px;" type="text"/>	
6.1 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
6.1 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS										NA <input style="width: 50px;" type="text"/>	
6.2 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
6.2 <input style="width: 50px;" type="text"/>		D. Mass (grams) of Each Compound in the Category (1-17)									
1.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
2.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
3.		1	2	3	4	5	6	7	8		
9		10	11	12	13	14	15	16	17		
If additional pages of Section 6.1 or 6.2 are attached, indicate the total number of pages in this box <input style="width: 50px;" type="text"/>											
and indicate the Section 6.1 or 6.2 page number in this box <input style="width: 50px;" type="text"/> (Example: 1, 2, 3, etc.)											

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FORM R Schedule 1											TRI Facility ID Number
PART II. CHEMICAL-SPECIFIC INFORMATION (continued)											
SECTIONS 8.1-8.8. WASTE MANAGEMENT QUANTITIES FOR DIOXIN AND DIOXIN-LIKE COMPOUNDS (current year only)											
	8.1-8.7 Production-related waste managed										8.8 Non-production related waste managed*
	8.1a Total on-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	8.1b Total other on-site disposal or other releases	8.1c Total off-site disposal to Class 1 Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	8.1d Total other off-site disposal or other releases	8.2 Quantity used for energy recovery on-site	8.3 Quantity used for energy recovery off-site	8.4 Quantity recycled on-site	8.5 Quantity recycled off-site	8.6 Quantity treated on-site	8.7 Quantity treated off-site	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											


*Includes quantities released to the environment or transferred off-site as a result of remedial actions, catastrophic events, or other one-time events not associated with production processes.

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 TOXICS RELEASE INVENTORY FORM A	
Complete form online via TRI-MEweb. For a trade secret submission, send completed forms to TRI Reporting Center, P. O. Box 10163, Fairfax, VA 22038. The annual public burden related to the Form A is estimated to average 21.96 hours per response for a facility filing a report on one chemical. See the Reporting Forms and Instructions for more information on submissions and the Paperwork Reduction Act.	
TRI Facility ID Number <input type="text"/>	
This section only applies if you are revising or withdrawing a previously submitted form, otherwise leave blank.	Revision (Enter up to two code(s)) <input type="text"/> <input type="text"/>
Withdrawal (Enter up to two code(s)) <input type="text"/> <input type="text"/>	
IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.	
PART I. FACILITY IDENTIFICATION INFORMATION	
SECTION 1. REPORTING YEAR <input type="text"/>	
SECTION 2. TRADE SECRET INFORMATION	
2.1 Are you claiming the toxic chemical identified on page 2 as a trade secret? <input type="checkbox"/> Yes (Answer question 2.2; attach substantiation forms) <input type="checkbox"/> No (Do not answer 2.2; go to Section 3)	2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "Yes" in 2.1)
SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)	
I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in this statement, the annual reportable amount as defined in 40 CFR 372.27(a), did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year.	
Name and official title of owner/operator or senior management official:	Signature: <input type="text"/> Date signed: <input type="text"/>
SECTION 4. FACILITY IDENTIFICATION	
4.1 Facility or Establishment Name <input type="text"/>	TRI Facility ID Number <input type="text"/> BIA Code <input type="text"/>
Physical Street Address <input type="text"/>	Mailing Address (if different from physical street address) <input type="text"/>
City/County/State/ZIP Code <input type="text"/>	City/State/ZIP Code <input type="text"/> Country (Non-US) <input type="text"/>
4.2 This report contains information for: (Important: Check c or d if applicable) c. <input type="checkbox"/> A Federal Facility d. <input type="checkbox"/> GOCO	
4.3 Technical Contact Name <input type="text"/>	Telephone Number (include area code and ext.) <input type="text"/>
Email Address <input type="text"/>	
4.4 Public Contact Name <input type="text"/>	Telephone Number (include area code and ext.) <input type="text"/>
Email Address <input type="text"/>	
4.5 NAICS Code(s) (6 digits)	Primary <input type="text"/> a. <input type="text"/> b. <input type="text"/> c. <input type="text"/> d. <input type="text"/> e. <input type="text"/> f. <input type="text"/>
4.6 Dun & Bradstreet Number(s) (9 digits)	a. <input type="text"/> b. <input type="text"/>
SECTION 5. PARENT COMPANY INFORMATION	
5.1 Name of U.S. Parent Company (for TRI Reporting purposes) <input type="text"/>	No U.S. Parent Company <input type="checkbox"/> (for TRI Reporting purposes)
5.2 Parent Company's Dun & Bradstreet Number	NA <input type="checkbox"/> <input type="text"/>

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EPA FORM A		TRI Facility ID Number
PART II. CHEMICAL IDENTIFICATION		
Do not use this form for reporting PBT chemicals, including Dioxin and Dioxin-like Compounds*		
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
SECTION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC CHEMICAL		
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	
SECTION 1. TOXIC CHEMICAL IDENTITY		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)	
SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above)		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
SECTION 9.2. OPTIONAL POLLUTION PREVENTION AND ADDITIONAL INFORMATION FOR THIS TOXIC CHEMICAL		
9.2	If you wish to provide optional chemical specific pollution prevention or additional information, provide it here.	

*See the TRI Reporting Forms and Instructions manual for the list of PBT Chemicals (including Dioxin and Dioxin-like Compounds)

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(Make additional copies of this page, if needed)

Appendix E -VA TRI Historical Trend

Since its inception, the TRI program has been expanding and evolving, providing more information to the public about the presence and release of toxic and hazardous chemicals in communities. As a result, over the past 29 years, major regulatory changes have occurred that have made the direct historical comparison of releases from 1988 to 2018 difficult and potentially misleading. The information in Appendix E is historical and for general comparison purposes only.

During the early years of the program there were no major reporting changes. From 1988 until 1994 the consistency between reporting sectors and chemicals made comparison straightforward.

The first major change in reporting requirements was the addition of 286 chemicals and chemical categories to the TRI list beginning with reporting year 1995. The addition of chemicals in reporting year 1995 created a new baseline for TRI comparisons. A second major change was the inclusion of seven new non-manufacturing sectors (sectors that had not previously reported) to the TRI facility coverage beginning in the 1998 reporting year. With this change, 1998 became the new baseline for historical comparison. The third major change began with reporting year 2000, when seven chemicals and two chemical categories were added to the TRI chemical list. These chemicals, and chemical categories must be subtracted from reporting year 2000, 2001, and 2002 data to make comparisons to 1998 and 1999 more accurate. A fourth major change for reporting year 2011 was the inclusion of 16 new chemicals to the list of reportable chemicals. Of the 16 new chemicals which were added, four of these are classified as Polycyclic Aromatic Compounds (PACs). PACs are Persistent Bio-accumulative Toxins (PBTs) chemicals, and as such, they are likely to remain in the environment for a very long time, are not readily destroyed, and may build up or accumulate in body tissue. Hydrogen Sulfide was added to the list in reporting year 2012 following the lifting of an administrative stay on Oct. 17, 2012. Ortho-Nitrotoluene was added to the list in reporting year 2015 following a final rule published by EPA which became effective on Nov. 29, 2013. The Nonylphenol category of chemicals was added to the 2018 reporting year chemicals list in a final rule effective on Sept. 20, 2015. The hexabromocyclododecane category was added to the chemical list in November 2018.

It should be noted beginning with reporting year 2001, lead and lead compounds were re-designated as PBT chemicals, and the threshold for reporting was reduced to 100 pounds. This caused facilities to submit more reports for lead and lead compounds for reporting years 2001 and 2002.

Table E-1 shows the amounts of releases to each media for reporting years 2004 through 2014 (without specified PBTs, or vanadium and vanadium compounds). Facility revisions for previous reporting years were not included in this comparison of on-site releases.

Appendix E

2018 Toxics Release Inventory

Table E-1. On-Site Releases Comparison from 2005 – 2015 (from Section 5 of Form R)

Chapter Four of the Virginia 2018 TRI Report covers the reporting period 2016 to 2018, and includes all chemicals and chemical compounds, and all facility revisions received through Jan. 7, 2020.

Media	2005 (pounds)	2006 (pounds)	2007 (pounds)	2008 (pounds)	2009 (pounds)	2010 (pounds)	2011 (pounds)	2012 (pounds)	2013 (pounds)	2014 (pounds)	2015 (pounds)	Percent Change 2005 - 2015
Air	41,167,066	41,273,390	39,390,601	29,770,387	26,946,032	24,617,658	19,972,183	18,404,743	20,651,917.51	20,388,755.18	18,020,039.02	-56.23%
Water	9,880,733	19,258,326	18,322,290	20,284,859	18,301,212	17,687,071	16,714,204	11,763,752	11,707,977.42	11,164,687.01	11,535,716.86	16.75%
Land	4,865,708	4,913,540	4,430,778	2,947,122	3,312,996	3,247,285	2,545,232	2,515,236	3,695,523.74	3,637,624.72	2,939,038.10	-39.60%
Total	55,913,507	65,445,255	62,143,669	53,002,368	48,560,240	78,463,236	39,231,618	32,683,731	36,055,418.67	35,191,066.92	32,494,793.98	-41.88%

Appendix F - 2018 Summary of Facilities, Chemical Releases, Transfers and Management (Non-PBT)

Appendix F: 2018 Summary of Facilities, Chemical Releases, Transfers, and Management (Non-PBT)
Alphabetical Listing by Facility
Within Each County/Independent City

2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ACCOMACK	KMX CHEMICAL CORP							30474 ENERGY DR				NAICS Code	325193
METHANOL	N	5	250	255	0	0	255	0	0	0	0	0	0
Total for Kmx Chemical Corp		5	250	255	0	0	255	0	0	0	0	0	0
ACCOMACK	PERDUE FARMS ACCOMAC PROCESSING PLANT							22520 LANKFORD HWY				NAICS Code	311615
HYDROGEN SULFIDE	N	41,720	0	41,720	0	0	41,720	0	0	287,810	287,810	0	0
NITRATE COMPOUNDS	N	0	0	0	0	564,110	564,110	0	0	0	0	0	0
PERACETIC ACID	N	0	0	0	0	129	129	0	0	257,484	257,484	0	0
Total for Perdue Farms Accomac Processing Plant		41,720	0	41,720	0	564,239	605,959	0	0	545,294	545,294	0	0
ACCOMACK	TYSON FARMS INC-TEMPERANCEVILLE							11224 LANKFORD HWY				NAICS Code	311615
AMMONIA	N	8,388	748	9,136	0	19	9,155	0	0	52,255	52,255	0	0
CHLORINE DIOXIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	12,682	12,682	0	0	1,973,719	1,973,719	0	0
PERACETIC ACID	N	1,680	0	1,680	0	0	1,680	0	0	200,825	200,825	0	0
Total for Tyson Farms Inc-Temperanceville		10,068	748	10,816	0	12,701	23,517	0	0	2,226,799	2,226,799	0	0
ACCOMACK	U.S. NASA GSFC WALLOPS FLIGHT FACILITY							34200 FULTON STREET				NAICS Code	927110
NAPHTHALENE	N	0	7	7	0	0	7	0	0	0	0	0	214
Total for U.S. Nasa Gsfc Wallops Flight Facility		0	7	7	0	0	7	0	0	0	0	0	214
Total for Above County : (9 reports)		51,793	1,005	52,798	0	576,940	629,738	0	0	2,772,093	2,772,093	0	214

* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBT chemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A, no amounts are reported but by default the appendix lists them as zero.

** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ALBEMARLE	INTERNATIONAL COLD STORAGE							5678 HEARDS MOUNTAIN RD				NAICS Code	333415
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for International Cold Storage		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
AMELIA	AMELIA LUMBER CO INC							8680 CROWDER ST				NAICS Code	321114
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Amelia Lumber Co Inc		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 reports)		0	0	0	0	0	0	0	0	0	0	0	0
AMHERST	COOPER STEEL							275 FRANCIS AVE				NAICS Code	332312
CHROMIUM	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Cooper Steel		0	0	0	0	0	0	0	0	0	0	0	0
AMHERST	GREIF PACKAGING LLC							861 FIBRE PLANT RD				NAICS Code	322110
ACETALDEHYDE	N	3,028	42,615	45,643	0	0	45,643	46,162	0	16,417	62,579	0	0
METHANOL	N	6,758	290,900	297,658	0	0	297,658	50,538	0	90,469	141,007	0	0
NITRATE COMPOUNDS	N	0	0	0	0	1,931	1,931	0	0	160,612	160,612	0	0
Total for Greif Packaging Llc		9,786	333,515	343,301	0	1,931	345,232	96,700	0	267,498	364,198	0	0
Total for Above County : (6 reports)		9,786	333,515	343,301	0	1,931	345,232	96,700	0	267,498	364,198	0	0
ARLINGTON	ALLIED AVIATION FUELING CO INC							RONALD REAGAN NATIONAL AIRPORT				NAICS Code	424710

* A "Y" in the FORM A column means a simplified Form A was submitted. An "N" means the full Form R was submitted. Facilities may report using the Form A for a non-PBT chemical if the total annual reportable amount for that chemical does not exceed 500 pounds and the amount manufactured, processed, or otherwise used for that chemical does not exceed 1 million pounds. When filing a Form A, no amounts are reported but by default the appendix lists them as zero.

** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
BENZENE	N	0	170	170	0	0	170	0	0	0	0	0	0
BIPHENYL	N	1	1	2	0	0	2	0	0	0	0	0	0
CYCLOHEXANE	N	0	170	170	0	0	170	0	0	0	0	0	0
ETHYLBENZENE	N	7	176	183	0	0	183	0	0	0	0	0	132
METHYL TERT-BUTYL ETHER	N	0	340	340	0	0	340	0	0	0	0	0	0
NAPHTHALENE	N	15	207	222	0	0	222	0	0	0	0	0	678
N-HEXANE	N	0	170	170	0	0	170	0	0	0	0	0	0
TOLUENE	N	0	851	851	0	0	851	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	0	681	681	0	0	681	0	0	0	0	0	0
Total for Allied Aviation Fueling Co Inc		23	2,766	2,789	0	0	2,789	0	0	0	0	0	810
ARLINGTON PENTAGON RESERVATION								2 N ROTARY RD				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	N	0	46,712	46,712	0	0	46,712	0	0	0	0	0	0
BIPHENYL	N	0	46,673	46,673	0	0	46,673	0	0	0	0	0	0
CUMENE	N	0	23,320	23,320	0	0	23,320	0	0	0	0	0	0
ETHYLBENZENE	N	0	25,353	25,353	0	0	25,353	0	0	0	0	0	0
NAPHTHALENE	N	0	46,712	46,712	0	0	46,712	0	0	0	0	0	0
Total for Pentagon Reservation		0	188,770	188,770	0	0	188,770	0	0	0	0	0	0
ARLINGTON VIRGINIA CONCRETE SHIRLINGTON PLANT								2651 SHIRLINGTON ROAD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	555	555	0	0	0	0	0	0
Total for Virginia Concrete Shirlington Plant		0	0	0	0	555	555	0	0	0	0	0	0
Total for Above County : (15 reports)		23	191,536	191,559	0	555	192,114	0	0	0	0	0	810
AUGUSTA ACCUTEC BLADES, INC.								57 RAZOR BLADE LN				NAICS Code	332215

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
AMMONIA	N	432	29	461	0	0	461	0	0	0	0	0	0
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	183,798
Total for Accutec Blades, Inc.		432	29	461	0	0	461	0	0	0	0	0	183,798
AUGUSTA		BALL ADVANCED ALUMINUM TECHNOLOGIES CORP						56 DUNSMORE RD				NAICS Code 331524	
ALUMINUM (FUME OR DUST)	N	0	16,000	16,000	0	0	16,000	0	0	0	0	0	39,000
Total for Ball Advanced Aluminum Technologies Cor		0	16,000	16,000	0	0	16,000	0	0	0	0	0	39,000
AUGUSTA		CERRO FABRICATED PRODUCTS LLC						300 TRIANGLE DR				NAICS Code 332112	
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	10	271,143
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	2,042	0
NITRIC ACID	N	0	0	0	0	0	0	0	0	40,296	40,296	0	0
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	8	194,010
Total for Cerro Fabricated Products Llc		0	0	0	0	0	0	0	0	40,296	40,296	2,060	465,153
AUGUSTA		DAIKIN APPLIED						207 LAUREL HILL RD				NAICS Code 333415	
COPPER	N	2	0	2	0	0	2	0	0	0	0	0	61,216
MANGANESE COMPOUNDS	N	24	0	24	0	0	24	0	0	0	0	0	2,985
SODIUM NITRITE	N	0	0	0	0	0	0	0	0	0	0	6,762	0
Total for Daikin Applied		25	0	25	0	0	25	0	0	0	0	6,762	64,201
AUGUSTA		DEGESCH AMERICA INC						153 TRIANGLE DR				NAICS Code 325320	
ALUMINUM PHOSPHIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	186	186	0	0	186	0	0	0	0	0	0
PHOSPHINE	N	0	26	26	0	0	26	0	0	0	0	0	0
Total for Degesch America Inc		0	212	212	0	0	212	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
AUGUSTA	FLINT GROUP NA CORP							106 TRIANGLE DR				NAICS Code	325910
BARIUM COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Flint Group Na Corp		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA	GROTTOES PLASTICS PLANT							149 GRAND CAVERNS DR				NAICS Code	326113
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	224	0	224	0	484
Total for Grottoes Plastics Plant		0	0	0	0	0	0	0	224	0	224	0	484
AUGUSTA	MASTIC HOME EXTERIORS STUARTS DRAFT							185 JOHNSON DR				NAICS Code	326199
ANTIMONY COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Mastic Home Exteriors Stuarts Draft		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA	NIBCO OF VIRGINIA INC.							131 JOHNSON DRIVE				NAICS Code	332112
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	1	24,864
COPPER	N	7,881	5,846	13,727	0	20	13,747	0	0	0	0	45	224,270
Total for Nibco Of Virginia Inc.		7,881	5,846	13,727	0	20	13,747	0	0	0	0	46	249,134
AUGUSTA	REXNORD INDUSTRIES LLC							150 JOHNSON DR				NAICS Code	333612
AMMONIA	N	0	4,059	4,059	0	0	4,059	0	0	0	0	0	0
Total for Rexnord Industries Llc		0	4,059	4,059	0	0	4,059	0	0	0	0	0	0
AUGUSTA	SHAMROCK FOODS DAIRY DIV VERONA VIRGINIA							318 MILL PL PKWY				NAICS Code	311511
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	39,234	0
NITRIC ACID	N	5	0	5	0	0	5	0	0	39,835	39,835	0	0
Total for Shamrock Foods Dairy Div Verona Virginia		5	0	5	0	0	5	0	0	39,835	39,835	39,234	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
AUGUSTA SUNLITE PLASTICS INC.								846 KEEZLETOWN RD				NAICS Code	326199
DI(2-ETHYLHEXYL) PHTHALATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Sunlite Plastics Inc.		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA THE LYCRA COMPANY LLC								400 DU PONT BLVD				NAICS Code	325220
DIISOCYANATES	N	18	0	18	0	0	18	0	0	0	0	0	26,671
NITRATE COMPOUNDS	N	0	0	0	0	10,000	10,000	0	0	23,000	23,000	0	0
Total for The Lycra Company Llc		18	0	18	0	10,000	10,018	0	0	23,000	23,000	0	26,671
Total for Above County : (26 reports)		8,361	26,146	34,507	0	10,020	44,527	0	224	103,131	103,355	48,102	1,028,441
BEDFORD BLUE RIDGE WOOD PRESERVING INC.								1220 HENDRICKS STORE RD				NAICS Code	321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Blue Ridge Wood Preserving Inc.		0	0	0	0	0	0	0	0	0	0	0	0
BEDFORD CUSTOM TRUCK ONE SOURCE								12660 E LYNCHBURG SALEM TPKE				NAICS Code	333120
MANGANESE	N	64	0	64	0	0	64	0	0	0	0	0	956
NICKEL	N	140	0	140	0	0	140	0	0	0	0	0	652
Total for Custom Truck One Source		205	0	205	0	0	205	0	0	0	0	0	1,608
BEDFORD GEORGIA-PACIFIC BIG ISLAND MILL								9363 LEE-JACKSON HWY				NAICS Code	322121
ACETALDEHYDE	N	1,226	50,062	51,288	9	587	51,883	0	0	64,000	64,000	0	0
HYDROGEN SULFIDE	N	14,231	0	14,231	16	2	14,249	0	0	120,000	120,000	0	0
MANGANESE COMPOUNDS	N	53	62	115	46,286	2,389	48,790	0	0	0	0	0	0
METHANOL	N	4,047	310,658	314,705	483	1,053	316,242	0	0	590,193	590,193	0	0
NITRATE COMPOUNDS	N	0	0	0	114	42,160	42,274	0	0	0	0	0	0
Total for Georgia-Pacific Big Island Mill		19,558	360,782	380,339	46,908	46,191	473,438	0	0	774,193	774,193	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
BEDFORD WHEELABRATOR ABRASIVES INC								1 ABRASIVE AVE				NAICS Code	327910
CHROMIUM	N	0	0	0	6,899	0	6,899	0	0	0	0	0	156,472
MANGANESE	N	0	0	0	18,379	0	18,379	0	0	0	0	0	285,863
NICKEL	N	0	0	0	8,957	0	8,957	0	0	0	0	0	180,454
Total for Wheelabrator Abrasives Inc		0	0	0	34,235	0	34,235	0	0	0	0	0	622,789
Total for Above County : (11 reports)		19,762	360,782	380,544	81,143	46,191	507,877	0	0	774,193	774,193	0	624,397
BLAND ABB INC								171 INDUSTRY DRIVE				NAICS Code	335311
COPPER	N	0	0	0	0	0	0	0	0	0	0	1	328,622
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	23,286
NICKEL COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	9,500
Total for Abb Inc		0	0	0	0	0	0	0	0	0	0	1	361,408
BLAND PASCOR ATLANTIC CORP								254 INDUSTRY DR				NAICS Code	335313
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	19,250
Total for Pascor Atlantic Corp		0	0	0	0	0	0	0	0	0	0	0	19,250
Total for Above County : (4 reports)		0	0	0	0	0	0	0	0	0	0	1	380,658
BOTETOURT ALTEC INDUSTRIES, INC.								325 SOUTH CENTER DRIVE				NAICS Code	336211
MANGANESE	N	154	0	154	0	0	154	0	0	0	0	0	55,600
Total for Altec Industries, Inc.		154	0	154	0	0	154	0	0	0	0	0	55,600
BOTETOURT DYNAX AMERICA CORP								568 E PARK DR				NAICS Code	336350
HYDROCHLORIC ACID (1995 AND A	N	0	5,431	5,431	0	0	5,431	0	0	97,906	97,906	0	0
METHANOL	N	54,963	18,011	72,974	0	0	72,974	0	0	1,601,195	1,601,195	0	11,772

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
PHENOL	N	5,355	1,231	6,586	0	0	6,586	0	0	141,855	141,855	1	1,246
Total for Dynax America Corp		60,318	24,673	84,991	0	0	84,991	0	0	1,840,956	1,840,956	1	13,018
BOTETOURT		GALA INDUSTRIES INC.						181 PAULEY ST				NAICS Code	333249
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	37,030
Total for Gala Industries Inc.		0	0	0	0	0	0	0	0	0	0	0	37,030
BOTETOURT		GENERAL SHALE BRICK INC PLANT 35 & 36						2353 WEBSTER RD				NAICS Code	327120
HYDROCHLORIC ACID (1995 AND A	N	0	17,060	17,060	0	0	17,060	0	0	6,847	6,847	0	0
HYDROGEN FLUORIDE	N	0	7,020	7,020	0	0	7,020	0	0	167,023	167,023	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for General Shale Brick Inc Plant 35 & 36		0	24,080	24,080	0	0	24,080	0	0	173,870	173,870	0	0
BOTETOURT		METALSA ROANOKE INC.						184 VISTA DR				NAICS Code	336390
MANGANESE	N	0	9	9	0	0	9	0	0	0	0	0	122,240
NICKEL	N	0	1	1	0	0	1	0	0	0	0	3	11,348
Total for Metalsa Roanoke Inc.		0	10	10	0	0	10	0	0	0	0	3	133,588
BOTETOURT		ROANOKE CEMENT CO LLC						6071 CATAWBA RD				NAICS Code	327310
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	10,164	10,164	0	0	10,164	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	354	120	474	97	20	591	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	31,989	31,989	0	0	31,989	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Roanoke Cement Co Llc		354	42,273	42,627	97	20	42,744	0	0	0	0	0	0
BOTETOURT		VIRGINIA TRANSFORMER CORP						201 TRANSFORMER WAY				NAICS Code	335311

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
XYLENE (MIXED ISOMERS)	N	4,962	2,639	7,601	0	0	7,601	0	0	0	0	0	0
Total for Virginia Transformer Corp		4,962	2,639	7,601	0	0	7,601	0	0	0	0	0	0
Total for Above County : (16 reports)		65,788	93,675	159,463	97	20	159,580	0	0	2,014,826	2,014,826	4	239,236
BRISTOL (CITY) PERMATILE CONCRETE PRODUCTS COMPANY								100 BEACON RD				NAICS Code	327332
ALUMINUM (FUME OR DUST)	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Permatile Concrete Products Company		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
BRUNSWICK REDLAND BRICK INC-LAWRENCEVILLE PLANT								16024 GOVERNOR HARRISON PKWY				NAICS Code	327331
HYDROGEN FLUORIDE	N	0	414	414	0	0	414	0	0	41,398	41,398	0	0
MANGANESE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Redland Brick Inc-Lawrenceville Plant		0	414	414	0	0	414	0	0	41,398	41,398	0	0
Total for Above County : (2 reports)		0	414	414	0	0	414	0	0	41,398	41,398	0	0
BUCHANAN JEWELL COKE CO LP								1034 DISMAL RIVER RD				NAICS Code	331110
HYDROCHLORIC ACID (1995 AND A	N	0	1,610,149	1,610,149	0	0	1,610,149	0	0	0	0	0	0
HYDROGEN FLUORIDE	N	0	35,340	35,340	0	0	35,340	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	464,324	464,324	0	0	464,324	0	0	0	0	0	0
Total for Jewell Coke Co Lp		0	2,109,813	2,109,813	0	0	2,109,813	0	0	0	0	0	0
Total for Above County : (3 reports)		0	2,109,813	2,109,813	0	0	2,109,813	0	0	0	0	0	0
BUCKINGHAM BEAR GARDEN GENERATING STATION								2608 C.G. WOODSON ROAD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Bear Garden Generating Station		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	0
BUENA VISTA (CITY)	EVERBRITE LLC							627 E 30TH ST				NAICS Code	339950
COPPER	N	0	5	5	0	0	5	0	0	0	0	0	9,298
MANGANESE	N	0	1	1	0	0	1	0	0	0	0	0	2,140
Total for Everbrite Llc		0	6	6	0	0	6	0	0	0	0	0	11,438
Total for Above County : (2 reports)		0	6	6	0	0	6	0	0	0	0	0	11,438
CAMPBELL	BANKER STEEL COMPANY, LLC							351 RANGOON ROAD				NAICS Code	332312
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	22,600
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	52,312
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	44,752
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	0	0	0	0	119,664
CAMPBELL	BWXT NUCLEAR OPERATIONS GROUP, INC.							1570 MOUNT ATHOS RD				NAICS Code	332410
CHROMIUM COMPOUNDS(EXCEPT	N	11	76	87	2	12	100	0	0	0	0	0	141
COPPER COMPOUNDS	N	0	12	12	33	185	230	0	0	0	0	0	77,219
HYDROGEN FLUORIDE	N	0	149	149	0	0	149	0	2,353	105,446	107,799	0	2,207
NICKEL COMPOUNDS	N	3	155	158	3	11	173	0	0	0	0	0	59
NITRATE COMPOUNDS	N	0	0	0	0	368,449	368,449	0	0	1,050,170	1,050,170	0	150,655
NITRIC ACID	N	17	2,843	2,860	0	0	2,860	0	21,010	1,067,109	1,088,118	0	523,031
Total for Bwxt Nuclear Operations Group, Inc.		31	3,235	3,266	37	368,657	371,960	0	23,363	2,222,725	2,246,088	0	753,312
CAMPBELL	GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKNEAL OSB							11795 BROOKNEAL HIGHWAY				NAICS Code	321219

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ACETALDEHYDE	N	0	4,000	4,000	0	0	4,000	0	0	34,000	34,000	0	0
FORMALDEHYDE	N	0	13,000	13,000	42	0	13,042	0	0	82,000	82,000	4	0
METHANOL	N	0	63,000	63,000	0	0	63,000	0	0	200,000	200,000	0	0
PHENOL	N	0	2,900	2,900	0	0	2,900	0	0	14,000	14,000	0	0
Total for Georgia-Pacific Wood Products Llc - Brook		0	82,900	82,900	42	0	82,942	0	0	330,000	330,000	4	0
CAMPBELL		SCHRADER-BRIDGEPORT INTERNATIONAL						205 FRAZIER RD				NAICS Code	336390
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	1,730,887
Total for Schrader-Bridgeport International		0	0	0	0	0	0	0	0	0	0	0	1,730,887
Total for Above County : (14 reports)		31	86,135	86,166	79	368,657	454,902	0	23,363	2,552,725	2,576,088	4	2,603,863
CAROLINE		HOOVER TREATED WOOD PRODUCTS, INC						18315 HOUSE DR				NAICS Code	321999
ARSENIC COMPOUNDS	N	0	0	0	0	11	11	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	8	8	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	9	9	0	0	0	0	0	0
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Hoover Treated Wood Products, Inc		0	0	0	0	28	28	0	0	0	0	0	0
CAROLINE		JCI JONES CHEMICALS INC.						16248 INDUSTRIAL DR				NAICS Code	424690
CHLORINE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Jci Jones Chemicals Inc.		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE		LADYSMITH COMBUSTION TURBINE STATION						8063 CEDON RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Ladysmith Combustion Turbine Station		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE		US ARMY FORT AP HILL RANGES (PART)						19952 NORTH RANGE RD				NAICS Code	928110
COPPER	N	46	0	46	96,364	4,827	101,237	0	0	0	0	0	533
NITROGLYCERIN	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Us Army Fort Ap Hill Ranges (Part)		46	0	46	96,364	4,827	101,237	0	0	0	0	0	533
Total for Above County : (10 reports)		46	0	46	96,364	4,855	101,265	0	0	0	0	0	533
CARROLL		VAUGHAN-BASSETT FURNITURE CO. GALAX						300 E GRAYSON ST				NAICS Code	337122
TOLUENE	N	5,950	33,864	39,813	0	0	39,813	0	0	0	0	0	826
Total for Vaughan-Bassett Furniture Co. Galax		5,950	33,864	39,813	0	0	39,813	0	0	0	0	0	826
Total for Above County : (1 record)		5,950	33,864	39,813	0	0	39,813	0	0	0	0	0	826
CHESAPEAKE (CITY)		AMERICAN GFM CORP						1200 CAVALIER BLVD				NAICS Code	333517
AMMONIA	N	0	9,888	9,888	0	0	9,888	0	0	0	0	0	0
Total for American Gfm Corp		0	9,888	9,888	0	0	9,888	0	0	0	0	0	0
CHESAPEAKE (CITY)		CHESAPEAKE ENERGY CENTER						2701 VEPCO ST				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Chesapeake Energy Center		0	0	0	0	0	0	0	0	0	0	0	0
CHESAPEAKE (CITY)		ELIZABETH RIVER COMBUSTION TURBINE STATION						2837 S MILITARY HWY				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Elizabeth River Combustion Turbine Station		0	0	0	0	0	0	0	0	0	0	0	0
CHESAPEAKE (CITY)	FLOWERVE US INC							3900 COOK BLVD				NAICS Code	333914
CHROMIUM	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Flowserve Us Inc		0	0	0	0	0	0	0	0	0	0	0	0
CHESAPEAKE (CITY)	MITSUBISHI CHEMICAL COMPOSITES AMERICA							401 VOLVO PKWY				NAICS Code	332812
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	11,727
Total for Mitsubishi Chemical Composites America		0	0	0	0	0	0	0	0	0	0	0	11,727
CHESAPEAKE (CITY)	PERDUE FARMS INC-CHESAPEAKE GRAIN							501A BARNES RD				NAICS Code	311224
N-HEXANE	N	102,523	228,197	330,720	0	0	330,720	0	0	0	0	52	0
Total for Perdue Farms Inc-Chesapeake Grain		102,523	228,197	330,720	0	0	330,720	0	0	0	0	52	0
Total for Above County : (10 reports)		102,523	238,085	340,608	0	0	340,608	0	0	0	0	52	11,727
CHESTERFIELD	ALERIS ROLLED PRODUCTS INC							1701 REYMET RD				NAICS Code	331314
ALUMINUM (FUME OR DUST)	N	2,287	3,059	5,346	0	0	5,346	0	0	0	0	0	840,547
Total for Aleris Rolled Products Inc		2,287	3,059	5,346	0	0	5,346	0	0	0	0	0	840,547
CHESTERFIELD	BELLWOOD PRINTING PLANT							2001 REYMET RD				NAICS Code	323111
AMMONIA	N	7,048	7,048	14,096	0	0	14,096	0	0	0	0	0	0
Total for Bellwood Printing Plant		7,048	7,048	14,096	0	0	14,096	0	0	0	0	0	0
CHESTERFIELD	CHESTERFIELD POWER STATION							500 COXENDALE RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	20	20	0	3,300	3,320	0	0	0	0	0	0
BARIUM COMPOUNDS	N	0	78	78	120,000	12	120,090	0	0	0	0	0	17,000

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
CHROMIUM COMPOUNDS(EXCEPT	N	0	140	140	21,000	0	21,140	0	0	0	0	0	3,000
COPPER COMPOUNDS	N	0	17	17	24,000	340	24,357	0	0	0	0	0	3,400
HYDROCHLORIC ACID (1995 AND A	N	0	210,000	210,000	0	0	210,000	0	0	0	0	0	0
HYDROGEN FLUORIDE	N	0	26,000	26,000	0	0	26,000	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	420	420	30,000	2	30,422	0	0	0	0	0	4,200
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL COMPOUNDS	N	0	97	97	21,000	81	21,178	0	0	0	0	0	3,000
SULFURIC ACID (1994 AND AFTER "	N	0	41,000	41,000	0	0	41,000	0	0	0	0	0	0
VANADIUM COMPOUNDS	N	0	41	41	45,000	0	45,041	0	0	0	0	0	6,400
ZINC COMPOUNDS	N	0	520	520	26,000	770	27,290	0	0	0	0	0	3,700
Total for Chesterfield Power Station		0	278,333	278,333	287,000	4,505	569,838	0	0	0	0	0	40,700
CHESTERFIELD								1851 TOUCHSTONE RD				NAICS Code	326299
AMMONIA	N	14,015	257,613	271,628	0	0	271,628	0	0	0	0	0	521
NITRATE COMPOUNDS	N	0	117	117	0	0	117	0	0	0	0	0	44,173
Total for Church & Dwight Co Inc		14,015	257,730	271,745	0	0	271,745	0	0	0	0	0	44,694
CHESTERFIELD								3600 DISCOVERY DR				NAICS Code	325211
ACETALDEHYDE	N	12,580	70,960	83,540	0	0	83,540	0	0	3,371	3,371	0	504
ANTIMONY COMPOUNDS	N	0	0	0	0	42	42	0	0	0	0	9	30
ETHYLENE GLYCOL	N	0	1,287	1,287	0	0	1,287	0	0	537,175	537,175	0	69,110
METHANOL	N	3,020	20,827	23,847	0	4	23,851	0	0	89	89	11	11
Total for Dupont Teijin Films		15,600	93,074	108,674	0	46	108,720	0	0	540,635	540,635	21	69,655
CHESTERFIELD								1800 TOUCHSTONE RD				NAICS Code	325992

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Appendix F

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
TOLUENE	N	0	0	0	0	0	0	100	0	0	100	0	8
Total for Eternal Technology Corp		0	0	0	0	0	0	100	0	0	100	0	8
CHESTERFIELD	FUJIFILM WAKO CHEMICALS USA CORP							1600 BELLWOOD RD				NAICS Code	325199
TOLUENE	N	750	3,300	4,050	0	0	4,050	0	0	13,000	13,000	750	86,050
Total for Fujifilm Wako Chemicals Usa Corp		750	3,300	4,050	0	0	4,050	0	0	13,000	13,000	750	86,050
CHESTERFIELD	FUJIFILM WAKO CHEMICALS USA CORPORATION							1600 BELLWOOD RD				NAICS Code	325199
AMMONIA	N	250	250	500	0	0	500	0	0	60,200	60,200	0	6,000
HYDROCHLORIC ACID (1995 AND A	N	400	750	1,150	0	0	1,150	0	0	15,000	15,000	0	0
METHANOL	N	3,000	18,600	21,600	0	0	21,600	0	0	165,000	165,000	0	171,000
Total for Fujifilm Wako Chemicals Usa Corporation		3,650	19,600	23,250	0	0	23,250	0	0	240,200	240,200	0	177,000
CHESTERFIELD	GE ALSTOM RICHMOND SERVICE CENTER							1200 WILLIS RD				NAICS Code	333611
CHROMIUM	N	0	0	0	0	1	1	0	0	0	0	0	20,080
COPPER	N	1	0	1	0	4	5	0	0	0	0	0	38,785
NICKEL	N	0	0	0	0	0	1	0	0	0	0	0	1,743
Total for Ge Alstom Richmond Service Center		1	0	1	0	5	7	0	0	0	0	0	60,608
CHESTERFIELD	HONEYWELL INTERNATIONAL COLONIAL HEIGHTS PLANT							15801 WOODS EDGE RD				NAICS Code	325220
FREON 113	N	200,000	67,080	267,080	0	0	267,080	0	344,200,330	0	344,200,330	0	405
Total for Honeywell International Colonial Heights Pla		200,000	67,080	267,080	0	0	267,080	0	344,200,330	0	344,200,330	0	405
CHESTERFIELD	INDUSTRIAL CHEMICALS INC							2540 BELLWOOD RD				NAICS Code	424690
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Industrial Chemicals Inc		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD	KAISER ALUMINUM FABRICATED PRODUCTS LLC							1901 REYMET RD				NAICS Code	331318

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
1-BROMOPROPANE	N	14,375	0	14,375	0	0	14,375	0	0	0	0	0	65
Total for Kaiser Aluminum Fabricated Products Llc		14,375	0	14,375	0	0	14,375	0	0	0	0	0	65
CHESTERFIELD		PHILIP MORRIS USA PARK 500 SITE						4100 BERMUDA HUNDRED RD				NAICS Code	312230
AMMONIA	N	2,997	299,435	302,432	0	151	302,583	0	0	2,636	2,636	0	710
CHLORINE	N	0	0	0	0	0	0	0	0	4,404	4,404	0	0
NICOTINE AND SALTS	N	170	17,047	17,217	0	20	17,237	0	0	99,424	99,424	0	129,912
NITRATE COMPOUNDS	N	0	0	0	0	2,424	2,424	0	0	113,944	113,944	0	0
Total for Philip Morris Usa Park 500 Site		3,167	316,482	319,649	0	2,595	322,244	0	0	220,408	220,408	0	130,622
CHESTERFIELD		SABRA DIPPING CO LLC						15900 SABRA WAY				NAICS Code	311999
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	73,800	73,800
NITRIC ACID	N	0	0	0	0	0	0	0	0	83,130	83,130	0	0
Total for Sabra Dipping Co Llc		0	0	0	0	0	0	0	0	83,130	83,130	73,800	73,800
CHESTERFIELD		SAFETY-KLEEN SYSTEMS CHESTER (CVA)						1200 W 100 RD				NAICS Code	562112
ETHYLENE GLYCOL	N	0	3	3	0	0	3	0	0	0	0	0	139,796
Total for Safety-Kleen Systems Chester (Cva)		0	3	3	0	0	3	0	0	0	0	0	139,796
CHESTERFIELD		SPRUANCE PLANT						U.S. HWY 1 AT COGBILL RD				NAICS Code	325220
1,3-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	1,102
AMMONIA	N	6,919	3,147	10,066	0	15,606	25,672	0	0	3,192	3,192	0	14,601
CHLOROFORM	N	726	8,233	8,959	0	53	9,012	0	0	238	238	0	0
DIMETHYLAMINE	N	12,972	0	12,972	0	24,134	37,106	0	0	71,183	71,183	0	0
NITRATE COMPOUNDS	N	0	0	0	0	101,241	101,241	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	N	0	44,060	44,060	0	4,672	48,732	0	0	33,487	33,487	0	500,049
P-PHENYLENEDIAMINE	N	0	0	0	0	0	0	0	0	0	0	0	5,486

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
SODIUM NITRITE	N	0	0	0	0	6,085	6,085	0	0	31,936	31,936	0	0
TOLUENE	N	29,731	32,209	61,940	0	20	61,960	0	0	0	0	0	11,377
TRICHLOROFLUOROMETHANE	N	153,247	6,195	159,442	0	34	159,476	0	0	94	94	0	0
Total for Spruance Plant		203,595	93,844	297,439	0	151,845	449,284	0	0	140,130	140,130	0	532,615
CHESTERFIELD		SUPER RADIATOR COILS						451 SOUTHLAKE BLVD				NAICS Code	333414
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	10,825
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	7,958
Total for Super Radiator Coils		0	0	0	0	0	0	0	0	0	0	0	18,783
CHESTERFIELD		TRIDENT AMERICAS						833 LIBERTY WAY				NAICS Code	332813
COPPER	N	0	690	690	0	0	690	0	0	0	0	0	690
COPPER COMPOUNDS	N	0	445	445	0	0	445	0	0	0	0	0	14,012
Total for Trident Americas		0	1,135	1,135	0	0	1,135	0	0	0	0	0	14,702
CHESTERFIELD		UNIVAR USA INC CHESTER FACILIT Y						1001 OLD BERMUDA HUNDRED RD				NAICS Code	424690
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N,N-DIMETHYLFORMAMIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	20	197	217	0	0	217	0	0	0	0	0	18,112
Total for Univar Usa Inc Chester Facilit Y		20	197	217	0	0	217	0	0	0	0	0	18,112
CHESTERFIELD		US DEFENSE LOGISTICS AGENCY DEFENSE SUPPLY CENTER RICHM						8000 JEFFERSON DAVIS HWY				NAICS Code	425120
BROMOCHLORODIFLUOROMETHA	N	569	0	569	0	0	569	0	0	0	0	0	0
BROMOTRIFLUOROMETHANE	N	1,148	0	1,148	0	0	1,148	0	0	0	0	0	0
CHLORODIFLUOROMETHANE	N	127	0	127	0	0	127	0	0	0	0	0	0

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R		
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)	
Chemical Name	form A*													
DICHLORODIFLUOROMETHANE (C	N	930	0	930	0	0	930	0	0	0	0	0	0	
DICHLOROTETRAFLUOROETHANE	N	504	0	504	0	0	504	0	0	0	0	0	0	
TRICHLOROFLUOROMETHANE	N	411	0	411	0	0	411	0	0	0	0	0	0	
Total for Us Defense Logistics Agency Defense Supp		3,689	0	3,689	0	0	3,689	0	0	0	0	0	0	
CHESTERFIELD		VEOLIA JAMES RIVER PLANT						1201 BELLWOOD RD				NAICS Code	325180	
HYDROGEN SULFIDE	N	168	0	168	0	0	168	0	0	0	0	0	0	
SULFURIC ACID (1994 AND AFTER "	N	2,966	14,194	17,160	0	0	17,160	0	0	0	0	0	0	
Total for Veolia James River Plant		3,134	14,194	17,328	0	0	17,328	0	0	0	0	0	0	
Total for Above County : (67 reports)		471,331	1,155,079	1,626,410	287,000	158,996	2,072,406	100	344,200	330	1,237,503	345,437,934	74,571	2,248,162
CLARKE		GRIFFITH ENERGY SERVICES INC-BERRYVILLE						618 E MAIN ST				NAICS Code	424710	
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0	
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0	
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0	
Total for Griffith Energy Services Inc-Berryville		0	0	0	0	0	0	0	0	0	0	0	0	
CLARKE		HUNT COUNTRY PROPANE						535 JACK ENDERS BLVD				NAICS Code	424710	
PROPYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0	
Total for Hunt Country Propane		0	0	0	0	0	0	0	0	0	0	0	0	
CLARKE		TRELLEBORG MARINE SYSTEMS USA, INC.						532 JACK ENDERS BLVD				NAICS Code	326199	
TOLUENE-2,4-DIISOCYANATE	N	0	1	1	0	0	1	0	0	0	0	335	335	
Total for Trelleborg Marine Systems Usa, Inc.		0	1	1	0	0	1	0	0	0	0	335	335	
Total for Above County : (5 reports)		0	1	1	0	0	1	0	0	0	0	335	335	

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2018 Toxics Release Inventory

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
COLONIAL HEIGHTS (CITY) SUN CHEMICAL CORP								16000 CONTINENTAL BLVD				NAICS Code	325910
COPPER	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for Sun Chemical Corp		5	5	10	0	0	10	0	0	0	0	0	0
Total for Above County : (1 record)		5	5	10	0	0	10	0	0	0	0	0	0
COVINGTON (CITY) INGEVITY VIRGINIA CORPORATION								958 E RIVERSIDE ST				NAICS Code	325998
ACETALDEHYDE	N	2	350	352	0	0	352	0	0	46,000	46,000	0	0
FORMALDEHYDE	N	20	1,200	1,220	0	0	1,220	0	0	137,000	137,000	0	0
FORMIC ACID	N	0	12,000	12,000	0	0	12,000	0	0	908,000	908,000	0	0
METHANOL	N	0	39,000	39,000	0	0	39,000	0	0	2,800,000	2,800,000	0	0
Total for Ingevity Virginia Corporation		22	52,550	52,572	0	0	52,572	0	0	3,891,000	3,891,000	0	0
COVINGTON (CITY) WESTROCK VIRGINIA CORP (ENTIRE)								104 E. RIVERSIDE STREET				NAICS Code	322130
ACETALDEHYDE	N	1,200	56,000	57,200	6	2,300	59,506	3,000	0	110,000	113,000	0	0
AMMONIA	N	450	220,000	220,450	0	730	221,180	0	0	410,000	410,000	0	0
BARIUM COMPOUNDS	N	0	1,800	1,800	110,000	0	111,800	0	0	0	0	0	0
CATECHOL	N	0	0	0	0	17	17	0	0	440	440	0	0
CHLORINE	N	5	500	505	0	0	505	0	0	55,000	55,000	0	0
CHLORINE DIOXIDE	N	5	4,100	4,105	0	0	4,105	0	0	410,000	410,000	0	0
CRESOL (MIXED ISOMERS)	N	170	10,000	10,170	2	4	10,176	730	0	22,000	22,730	0	0
FORMALDEHYDE	N	370	14,000	14,370	6	720	15,096	16	0	13,000	13,016	0	0
FORMIC ACID	N	0	0	0	1	410	411	0	0	550	550	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	210,000	210,000	0	0	210,000	0	0	330,000	330,000	0	0
HYDROGEN SULFIDE	N	6,600	81,000	87,600	270	410	88,280	0	0	700,000	700,000	0	0

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Appendix F

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
MANGANESE COMPOUNDS	N	0	460	460	290,000	38,000	328,460	0	0	0	0	0	0
METHANOL	N	490,000	1,000,000	1,490,000	7,300	2,300	1,499,600	470,000	0	25,000,000	25,470,000	0	0
PHENOL	N	190	36,000	36,190	3	4	36,197	330	0	7,900	8,230	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	38,000	38,000	0	0	38,000	0	0	200,000	200,000	0	0
VANADIUM COMPOUNDS	N	0	14	14	7,700	1,300	9,014	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	620	620	38,000	2,300	40,920	0	0	0	0	0	0
Total for Westrock Virginia Corp (Entire)		498,990	1,672,494	2,171,484	453,288	48,495	2,673,267	474,076	0	27,258,890	27,732,966	0	0
Total for Above County : (21 reports)		499,012	1,725,044	2,224,056	453,288	48,495	2,725,839	474,076	0	31,149,890	31,623,966	0	0
CULPEPER	ARDENT MILLS, LLC							1900 INDUSTRY DR				NAICS Code	311211
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Ardent Mills, Llc		0	0	0	0	0	0	0	0	0	0	0	0
CULPEPER	BINGHAM & TAYLOR							601 NALLE PL				NAICS Code	331511
CHROMIUM	N	0	1	1	0	0	1	0	0	0	0	0	5,602
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	1,252
MANGANESE	N	0	13	13	0	0	13	0	0	0	0	0	5,736
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	7,324
Total for Bingham & Taylor		0	14	14	0	0	14	0	0	0	0	0	19,914
CULPEPER	BRANTNER & ASSOCIATES INC, DBA TE CONNECTIVITY MOG							751 OLD BRANDY RD				NAICS Code	331491
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	25,447
COPPER	N	0	0	0	0	0	0	0	0	0	0	4,263	134,166
MANGANESE	N	0	6	6	0	0	6	0	0	0	0	0	37,569
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	8,225

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ZINC (FUME OR DUST)	N	0	0	0	0	0	0	0	0	0	0	0	13,105
Total for Brantner & Associates Inc, Dba Te Connecti		0	8	8	0	0	8	0	0	0	0	4,263	218,512
CULPEPER	CULPEPER WOOD PRESERVERS							15487 BRAGGS CORNER RD				NAICS Code	321114
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Culpeper Wood Preservers		0	0	0	0	0	0	0	0	0	0	0	0
CULPEPER	MASCO CABINETRY LLC							641 MADDOX DR				NAICS Code	337110
XYLENE (MIXED ISOMERS)	N	0	12,908	12,908	0	0	12,908	0	0	0	0	0	6,207
Total for Masco Cabinetry Llc		0	12,908	12,908	0	0	12,908	0	0	0	0	0	6,207
CULPEPER	QUARLES PETROLEUM INC. CULPEPER BULK PLANT							15427 BRANDY RD				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Quarles Petroleum Inc. Culpeper Bulk Plant		0	0	0	0	0	0	0	0	0	0	0	0
CULPEPER	U.S. ARMY WARRENTON TRAINING CENTER, STATION D							22129 CONFEDERATE ROAD				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for U.S. Army Warrenton Training Center, Stati		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (19 reports)		0	12,929	12,929	0	0	12,930	0	0	0	0	4,263	244,633
CUMBERLAND	GEMINI-FARMVILLE							102 HAUSCHILD DR				NAICS Code	339950
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Gemini-Farmville		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
DANVILLE (CITY)	AMERICAN PHOENIX INC							121 MARTHA ST				NAICS Code	325998
COBALT COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	0
ZINC COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for American Phoenix Inc		10	10	20	0	0	20	0	0	0	0	0	0
DANVILLE (CITY)	THE GOODYEAR TIRE & RUBBER CO.							1901 GOODYEAR BLVD				NAICS Code	326211
COBALT COMPOUNDS	N	0	3	3	0	0	3	0	0	0	0	0	3,384
ZINC COMPOUNDS	N	0	260	260	0	112	372	0	0	0	0	589	297,568
Total for The Goodyear Tire & Rubber Co.		0	263	263	0	112	375	0	0	0	0	589	300,952
Total for Above County : (4 reports)		10	273	283	0	112	395	0	0	0	0	589	300,952
DINWIDDIE	CHAPARRAL (VA) INC							25801 HOFHEIMER WAY				NAICS Code	331110
CHROMIUM COMPOUNDS(EXCEPT	N	15	22	37	0	14	51	0	0	0	0	0	39,628
COPPER COMPOUNDS	N	0	0	0	0	17	17	0	0	0	0	0	30,829
MANGANESE COMPOUNDS	N	124	106	230	0	0	230	0	0	0	0	0	375,043
NICKEL COMPOUNDS	N	1	72	73	0	0	73	0	0	0	0	0	3,501
ZINC COMPOUNDS	N	0	0	0	0	101	101	0	0	0	0	0	1,343,389
Total for Chaparral (Va) Inc		140	200	340	0	132	472	0	0	0	0	0	1,792,390
DINWIDDIE	TMS INTERNATIONAL, LLC							25805 HOFHEIMER WAY				NAICS Code	562920
CHROMIUM COMPOUNDS(EXCEPT	N	10	0	10	0	0	10	0	0	0	0	0	0
COPPER COMPOUNDS	N	10	0	10	0	0	10	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	34	0	34	0	0	34	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
NICKEL COMPOUNDS	N	20	0	20	0	0	20	0	0	0	0	0	0
Total for Tms International, Llc		74	0	74	0	0	74	0	0	0	0	0	0
Total for Above County : (9 reports)		214	200	414	0	132	546	0	0	0	0	0	1,792,390
FAIRFAX BUSH CENTER FOR INTELLIGENCE (CIA)								1000 COLONIAL FARM RD				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Bush Center For Intelligence (Cia)		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX NEWINGTON CONCRETE PLANT								8413 TERMINAL RD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	708	708	0	0	0	0	0	0
Total for Newington Concrete Plant		0	0	0	0	708	708	0	0	0	0	0	0
FAIRFAX SICPA SECURINK CORP								8000 RESEARCH WAY				NAICS Code	325910
CERTAIN GLYCOL ETHERS	N	403	0	403	0	0	403	0	0	0	0	0	1,000
PHTHALIC ANHYDRIDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE DIISOCYANATE (MIXED I	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Sicpa Securink Corp		403	0	403	0	0	403	0	0	0	0	0	1,000
FAIRFAX SUPERIOR CONCRETE MATERIALS INC. - LORTON								8420 TERMINAL RD				NAICS Code	327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Superior Concrete Materials Inc. - Lorton		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX TITAN VIRGINIA READY-MIX LLC-SPRINGFIELD PLANT								6600 ELECTRONIC DR				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	56	56	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Springfield Plan		0	0	0	0	56	56	0	0	0	0	0	0
FAIRFAX US ARMY GARRISON FORT BELVOIR								9430 JACKSON LOOP				NAICS Code	928110
ETHYLBENZENE	N	2	2	3	0	0	3	0	0	0	0	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
NAPHTHALENE	N	0	2	2	1	0	3	0	0	0	0	0	2
Total for Us Army Garrison Fort Belvoir		2	3	5	1	0	6	0	0	0	0	0	2
FAIRFAX	VIRGINIA CONCRETE EDSALL ROAD PLANT							5412 INDUSTRIAL DR				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	380	380	0	0	0	0	0	0
Total for Virginia Concrete Edsall Road Plant		0	0	0	0	380	380	0	0	0	0	0	0
Total for Above County : (10 reports)		405	3	408	1	1,144	1,553	0	0	0	0	0	1,002
FAIRFAX (CITY)	MOTIVA FAIRFAX TERMINAL							3800 PICKETT RD				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	N	38	14	52	0	0	52	0	0	0	0	0	0
BENZENE	N	74	151	225	0	0	225	0	0	0	0	0	0
CUMENE	N	3	8	11	0	0	11	0	0	0	0	0	0
ETHYLBENZENE	N	31	36	67	0	0	67	0	0	0	0	0	0
NAPHTHALENE	N	4	4	8	0	0	8	0	0	0	0	0	0
N-HEXANE	N	127	253	380	0	0	380	0	0	0	0	0	0
STYRENE	N	2	4	6	0	0	6	0	0	0	0	0	0
TOLUENE	N	182	327	509	0	0	509	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	168	174	342	0	0	342	0	0	0	0	0	0
Total for Motiva Fairfax Terminal		629	971	1,600	0	0	1,600	0	0	0	0	0	0
Total for Above County : (9 reports)		629	971	1,600	0	0	1,600	0	0	0	0	0	0
FALLS CHURCH (CITY)	VIRGINIA CONCRETE FALLS CHURCH PLANT							7103 GORDON RD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	248	248	0	0	0	0	0	0
Total for Virginia Concrete Falls Church Plant		0	0	0	0	248	248	0	0	0	0	0	0

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Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (1 record)		0	0	0	0	248	248	0	0	0	0	0	0
FAUQUIER	FIBERGLASS ENGINEERING CO							5019 AIRPORT RD				NAICS Code	326199
STYRENE	N	6,360	0	6,360	0	0	6,360	0	0	0	0	0	0
Total for Fiberglass Engineering Co		6,360	0	6,360	0	0	6,360	0	0	0	0	0	0
FAUQUIER	MARSHALL BULK PLANT							3778 WHITING RD - LOT 9				NAICS Code	424710
PROPYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Marshall Bulk Plant		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER	OLD DOMINION ELECTRIC CO-OP MARSH RUN GENERATION FACIL							12109 LUCKY HILL RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Old Dominion Electric Co-Op Marsh Run Ge		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER	REMINGTON POWER STATION							12025 LUCKY HILL ROAD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Remington Power Station		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER	US DOD WARRENTON TRAINING CENTER STATION B							7471 BEAR WALLOW RD				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	0
BIPHENYL	N	0	0	0	0	0	0	0	0	0	0	0	0
CUMENE	N	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	0	0

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NAPHTHALENE	N	0	10	10	0	0	10	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	0	14	14	0	0	14	0	0	0	0	0	0
Total for Us Dod Warrenton Training Center Station		0	24	24	0	0	24	0	0	0	0	0	0
Total for Above County : (14 reports)		6,360	24	6,384	0	0	6,384	0	0	0	0	0	0
FRANKLIN BLUE RIDGE SOLVENTS & COATINGS								3800 ORIGINAL HENRY RD				NAICS Code	325510
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Blue Ridge Solvents & Coatings		0	0	0	0	0	0	0	0	0	0	0	0
FRANKLIN FLEETWOOD HOMES OF VIRGINIA INC 19-2								90 WEAVER ST				NAICS Code	321991
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Fleetwood Homes Of Virginia Inc 19-2		0	0	0	0	0	0	0	0	0	0	0	0
FRANKLIN GREAT SOUTHERN WOOD - VA, INC.								1050 N MAIN ST				NAICS Code	321114
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Great Southern Wood - Va, Inc.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 reports)		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK FISHER SCIENTIFIC INTERNATIONAL MTN DIAGNOSTICS PLANT								8365 VALLEY PIKE				NAICS Code	325413
CERTAIN GLYCOL ETHERS	N	0	0	0	0	0	0	0	0	0	0	0	2,450
Total for Fisher Scientific International Mtn Diagnosti		0	0	0	0	0	0	0	0	0	0	0	2,450
FREDERICK HP HOOD LLC								160 HOOD WAY				NAICS Code	311511
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	87,409	87,409

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRIC ACID	N	0	0	0	0	0	0	0	0	88,802	88,802	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	40,766	40,766	0	0
Total for Hp Hood Llc		0	0	0	0	0	0	0	0	129,568	129,568	87,409	87,409
FREDERICK		KINGSPAN INSULATION LLC						172 PACTIV WAY				NAICS Code	326140
METHANOL	N	53,219	0	53,219	0	0	53,219	0	0	0	0	0	0
Total for Kingspan Insulation Llc		53,219	0	53,219	0	0	53,219	0	0	0	0	0	0
FREDERICK		QG PRINTING II CORP						160 CENTURY LN STONEWALL IND US TRI				NAICS Code	323111
CERTAIN GLYCOL ETHERS	N	5,884	275	6,159	0	0	6,159	0	0	13,455	13,455	0	0
ETHYLENE GLYCOL	N	3,223	150	3,373	0	0	3,373	0	0	7,370	7,370	0	0
Total for Qg Printing Ii Corp		9,107	425	9,532	0	0	9,532	0	0	20,825	20,825	0	0
FREDERICK		QUARLES PETROLEUM INC. WINCHESTER BULK PLANT						779 SMITHFIELD AVE				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Quarles Petroleum Inc. Winchester Bulk Pla		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK		TREX - VIRGINIA MANUFACTURING OPERATIONS						3229 SHAWNEE DRIVE				NAICS Code	326199
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	0	0	0	0	0	0	0	1,096
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Trex - Virginia Manufacturing Operations		0	0	0	0	0	0	0	0	0	0	0	1,096

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FREDERICK		VALLEY PROTEINS INC-WINCHESTER FACILITY						1635 INDIAN HOLLOW RD				NAICS Code	311613
CHLORINE DIOXIDE	N	0	0	0	25,393	0	25,393	0	0	0	0	0	0
Total for Valley Proteins Inc-Winchester Facility		0	0	0	25,393	0	25,393	0	0	0	0	0	0
Total for Above County : (17 reports)		62,326	425	62,752	25,393	0	88,145	0	0	150,392	150,392	87,409	90,955
GILES		CELANESE ACETATE LLC - CELCO P LANT						3520 VIRGINIA AVE				NAICS Code	325220
1,3-BUTADIENE	N	250	250	500	0	0	500	29,416	0	0	29,416	0	0
ACETAMIDE	N	0	0	0	0	250	250	0	0	172,178	172,178	0	0
ACETONITRILE	N	3,023	104	3,128	0	47	3,175	20,318	0	0	20,318	0	8
AMMONIA	N	0	27,698	27,698	0	984	28,682	0	0	10,473	10,473	0	0
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	N	79,714	8,912	88,626	0	0	88,626	96,056	0	0	96,056	0	12
DICHLOROMETHANE	N	34,960	0	34,960	0	0	34,960	0	0	0	0	0	278
ETHYLENE	N	3,093	715	3,808	0	0	3,808	703,697	0	0	703,697	0	0
NITRATE COMPOUNDS	N	0	0	0	0	60,181	60,181	0	0	0	0	0	0
Total for Celanese Acetate Llc - Celco P Lant		121,040	37,679	158,720	0	61,462	220,181	849,487	0	182,651	1,032,138	0	297
GILES		LHOIST NA OF VIRGINIA INC KIMBALLTON AREA 1						2093 BIG STONY CREEK RD				NAICS Code	327410
HYDROCHLORIC ACID (1995 AND A	N	0	75,253	75,253	0	0	75,253	0	0	0	0	0	0
Total for Lhoist Na Of Virginia Inc Kimballton Area 1		0	75,253	75,253	0	0	75,253	0	0	0	0	0	0
Total for Above County : (10 reports)		121,040	112,932	233,973	0	61,462	295,434	849,487	0	182,651	1,032,138	0	297
GREENSVILLE		CREATIVE PLAYTHINGS LTD.						859 INDUSTRIAL DR				NAICS Code	321999
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Creative Playthings Ltd.		0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
GREENSVILLE GEORGIA PACIFIC WOOD PRODUCTS LLC EMPORIA PLYWOOD								634 DAVIS ST				NAICS Code	321212
METHANOL	N	3,000	25,000	28,000	0	0	28,000	0	0	12,900	12,900	0	0
Total for Georgia Pacific Wood Products Llc Empor		3,000	25,000	28,000	0	0	28,000	0	0	12,900	12,900	0	0
GREENSVILLE STEELFAB OF VIRGINIA INC								1510 REESE ST				NAICS Code	332312
CHROMIUM	N	146	0	146	0	0	146	0	0	0	0	0	36,848
COPPER	N	218	49	267	0	0	267	0	0	0	0	0	54,997
MANGANESE	N	160	169	329	0	0	329	0	0	0	0	0	40,331
NICKEL	N	255	7	262	0	0	262	0	0	0	0	0	64,346
PROPYLENE	N	35	0	35	0	0	35	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	10,110	0	10,110	0	0	10,110	0	0	0	0	0	0
Total for Steelfab Of Virginia Inc		10,923	225	11,148	0	0	11,148	0	0	0	0	0	196,521
Total for Above County : (8 reports)		13,923	25,225	39,148	0	0	39,148	0	0	12,900	12,900	0	196,521
HALIFAX ABB INC								2135 PHILPOTT RD				NAICS Code	335311
CHROMIUM	N	15	0	15	0	0	15	0	0	0	0	0	94,196
COPPER	N	81	0	81	0	0	81	0	0	0	0	2	986,079
MANGANESE	N	142	0	142	0	0	142	0	0	0	0	0	176,726
NICKEL	N	10	0	10	0	0	10	0	0	0	0	0	69,130
Total for Abb Inc		248	0	248	0	0	248	0	0	0	0	2	1,326,131
HALIFAX AQUATIC CO								1100 INDUSTRIAL PARK RD HALIFAX INDUSTRIAL				NAICS Code	326191
METHYL METHACRYLATE	N	592	7,928	8,520	0	0	8,520	0	0	48	48	0	214
STYRENE	N	12,014	143,426	155,440	0	0	155,440	0	0	636	636	0	2,071
Total for Aquatic Co		12,606	151,354	163,960	0	0	163,960	0	0	684	684	0	2,285

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total		Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*			Air (pounds)	Land (pounds)								
HALIFAX	CLOVER POWER STATION							4091 CLOVER RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ARSENIC COMPOUNDS	N	0	10	10	19,600	82	19,692	0	0	0	0	0	1,120
BARIUM COMPOUNDS	N	0	0	0	184,000	1,030	185,030	0	0	0	0	0	10,600
CHROMIUM COMPOUNDS(EXCEPT	N	0	201	201	33,500	22	33,723	0	0	0	0	0	1,920
COPPER COMPOUNDS	N	0	63	63	37,800	47	37,910	0	0	0	0	0	2,170
HYDROCHLORIC ACID (1995 AND A	N	0	10,600	10,600	0	0	10,600	0	0	1,490,000	1,490,000	0	0
HYDROGEN FLUORIDE	N	0	5,320	5,320	0	0	5,320	0	0	182,000	182,000	0	0
MANGANESE COMPOUNDS	N	0	397	397	50,200	3,260	53,857	0	0	0	0	0	2,880
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL COMPOUNDS	N	0	206	206	33,400	31	33,637	0	0	0	0	0	1,910
SULFURIC ACID (1994 AND AFTER "	N	0	179,000	179,000	0	0	179,000	0	0	348,000	348,000	0	0
VANADIUM COMPOUNDS	N	0	128	128	71,300	0	71,428	0	0	0	0	0	4,090
ZINC COMPOUNDS	N	0	0	0	43,200	424	43,624	0	0	0	0	0	2,480
Total for Clover Power Station		0	195,925	195,925	473,000	4,896	673,821	0	0	2,020,000	2,020,000	0	27,170
HALIFAX	HUBER ENGINEERED WOODS LLC							1000 CHANEY LN				NAICS Code	321219
ACETALDEHYDE	N	378	6,352	6,730	0	5	6,735	0	0	64,995	64,995	0	5
ACROLEIN	N	337	13,199	13,536	0	5	13,541	0	0	24,183	24,183	0	5
DIISOCYANATES	N	5	66	71	0	5	76	0	0	1	1	0	0
FORMALDEHYDE	N	104	18,497	18,601	0	5	18,606	19,200	0	185,819	205,019	0	5
METHANOL	N	546	40,548	41,094	0	5	41,099	0	0	104,536	104,536	0	5
PHENOL	N	695	18,621	19,316	0	5	19,321	0	0	63,773	63,773	0	5

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Huber Engineered Woods Llc		2,065	97,283	99,348	0	30	99,378	19,200	0	443,307	462,507	0	25
HALIFAX VOESTALPINE HIGH PERFORMANCE METALS - SOUTH BOSTON PLA								2306 EASTOVER DR				NAICS Code	331222
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	14,800
COBALT	N	0	0	0	0	0	0	0	0	0	0	0	7,356
METHANOL	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for Voestalpine High Performance Metals - Sou		5	5	10	0	0	10	0	0	0	0	0	22,156
Total for Above County : (29 reports)		14,924	444,567	459,492	273,000	4,926	937,418	19,200	0	2,463,991	2,483,191	2	1,377,767
HAMPTON (CITY) HOWMET CASTINGS & SERVICES INC								ONE HOWMET DR				NAICS Code	331529
4,4'-ISOPROPYLIDENEDIPHENOL	N	19	19	38	0	0	38	0	0	942	942	48	95,164
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	16	5,169
COBALT	N	0	6	6	0	0	6	0	0	0	0	6	4,512
HYDROGEN FLUORIDE	N	0	397	397	0	0	397	0	0	36,028	36,028	29	76,042
NICKEL	N	0	9	9	0	0	9	0	0	0	0	38	24,352
NITRIC ACID	N	0	890	890	0	0	890	0	0	1,288	1,288	0	49,470
Total for Howmet Castings & Services Inc		19	1,325	1,344	0	0	1,344	0	0	38,258	38,258	137	254,709
HAMPTON (CITY) TIDEWATER WOOD PRODUCTS, LLC								5604 CITY LINE RD				NAICS Code	321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Tidewater Wood Products, Llc		0	0	0	0	0	0	0	0	0	0	0	0
HAMPTON (CITY) US DOD USAF JOINT BASE LANGLEY EUSTIS - LANGLEY AFB								633 CES/CEIE 37 SWEENEY BLVD				NAICS Code	928110
ETHYLBENZENE	N	37	11	48	0	0	48	0	0	0	0	0	0
NAPHTHALENE	N	130	82	212	0	0	212	0	0	0	0	0	0
Total for Us Dod Usaf Joint Base Langley Eustis - La		167	93	260	0	0	260	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (9 reports)		186	1,418	1,604	0	0	1,604	0	0	38,258	38,258	137	254,709
HANOVER	CHEMTREAT INC							10040 LICKINGHOLE RD				NAICS Code	325998
SODIUM NITRITE	N	0	0	0	0	0	0	0	0	0	0	0	2,434
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Chemtreat Inc		0	0	0	0	0	0	0	0	0	0	0	2,434
HANOVER	COMMONWEALTH GALVANIZING							10988 LEADBETTER RD				NAICS Code	332812
ZINC COMPOUNDS	N	0	0	0	0	14	14	0	0	0	0	53	34,486
Total for Commonwealth Galvanizing		0	0	0	0	14	14	0	0	0	0	53	34,486
HANOVER	DOSWELL LP							10098 OLD RIDGE RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	N	5	167,358	167,363	0	0	167,363	0	0	0	0	0	0
AMMONIA	N	5	325,706	325,711	0	0	325,711	0	0	0	0	0	0
NAPHTHALENE	N	5	92,047	92,052	0	0	92,052	0	0	0	0	0	0
N-HEXANE	N	5	167,358	167,363	0	0	167,363	0	0	0	0	0	0
Total for Doswell Lp		20	752,469	752,489	0	0	752,489	0	0	0	0	0	0
HANOVER	PUGH LUBRICANTS ASHLAND							10992 LEADBETTER RD				NAICS Code	424710
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Pugh Lubricants Ashland		0	0	0	0	0	0	0	0	0	0	0	0
HANOVER	SOUTH ATLANTIC GALVANIZING LLC							11022 LEWISTOWN RD				NAICS Code	332812
ZINC COMPOUNDS	N	4,902	0	4,902	0	91	4,993	0	0	0	0	0	248,586
Total for South Atlantic Galvanizing Llc		4,902	0	4,902	0	91	4,993	0	0	0	0	0	248,586

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
HANOVER	TYSON FARMS INC. - PROCESSING FACILITY							13264 MOUNTAIN RD				NAICS Code	311615
AMMONIA	N	15,193	266	15,459	0	0	15,459	0	0	11,562	11,562	0	0
NITRATE COMPOUNDS	N	0	0	0	0	38,361	38,361	0	0	476,278	476,278	0	0
PERACETIC ACID	N	20	0	20	0	0	20	0	0	318,406	318,406	0	0
Total for Tyson Farms Inc. - Processing Facility		15,213	266	15,479	0	38,361	53,840	0	0	806,246	806,246	0	0
Total for Above County : (14 reports)		20,135	752,735	772,870	0	38,467	811,336	0	0	806,246	806,246	53	285,506
HARRISONBURG (CITY)	CARGILL TURKEY PRODUCTION LLC							1 KRATZER AVE				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Cargill Turkey Production Llc		0	0	0	0	0	0	0	0	0	0	0	0
HARRISONBURG (CITY)	GEORGE'S FOODS LLC FEED MILL							61 KRATZER RD				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for George'S Foods Llc Feed Mill		0	0	0	0	0	0	0	0	0	0	0	0
HARRISONBURG (CITY)	PILGRIM'S PRIDE CORP HARRISONBURG FEEDMILL							590 MT CLINTON PIKE				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Pilgrim'S Pride Corp Harrisonburg Feedmill		0	0	0	0	0	0	0	0	0	0	0	0
HARRISONBURG (CITY)	QUARLES PETROLEUM INC HARRISONBURG BULK PLANT							1006 W MARKET ST				NAICS Code	424710

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Quarles Petroleum Inc Harrisonburg Bulk PI		0	0	0	0	0	0	0	0	0	0	0	0
HARRISONBURG (CITY) TENNECO WALKER MANUFACTURING CO								3160 ABBOTT LN				NAICS Code	336390
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	0	246,746
COBALT	N	0	4	4	0	0	4	0	0	0	0	0	13,048
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	52,247
MANGANESE	N	0	1,374	1,374	0	0	1,374	0	0	0	0	0	215,766
NICKEL	N	0	4	4	0	0	4	0	0	0	0	0	140,552
Total for Tenneco Walker Manufacturing Co		0	1,387	1,387	0	0	1,387	0	0	0	0	0	668,359
Total for Above County : (20 reports)		0	1,387	1,387	0	0	1,387	0	0	0	0	0	668,359
HENRICO ENNIS-FLINT RICHMOND								4400 VAWTER AVE				NAICS Code	325510
CERTAIN GLYCOL ETHERS	N	0	64	64	0	0	64	0	0	0	0	0	0
METHANOL	N	0	9,854	9,854	0	0	9,854	0	0	0	0	0	0
Total for Ennis-Flint Richmond		0	9,918	9,918	0	0	9,918	0	0	0	0	0	0
HENRICO IR ENGRAVING LLC								5901 LEWIS RD				NAICS Code	323111
COPPER	N	1	1	2	0	0	2	0	0	0	0	1	7,492
NITRIC ACID	N	0	1,011	1,011	0	0	1,011	0	0	0	0	0	3,269

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Ir Engraving Llc		1	1,012	1,013	0	0	1,013	0	0	0	0	1	10,761
HENRICO		JOHNS MANVILLE CORP HAMILTON PLANT						7400 RANCO RD				NAICS Code	322220
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1,247
Total for Johns Manville Corp Hamilton Plant		0	0	0	0	0	0	0	0	0	0	0	1,247
HENRICO		MECHANICSVILLE CONCRETE LLC-AIRPORT PLANT (OAKLEYS LA						4481 OAKLEYS LN				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	28	28	0	0	0	0	0	0
Total for Mechanicsville Concrete Llc-Airport Plant (O		0	0	0	0	28	28	0	0	0	0	0	0
HENRICO		SOUTHERN GRAPHIC SYSTEMS LLC						5301 LEWIS RD				NAICS Code	323120
COPPER COMPOUNDS	N	25	221	245	0	0	245	0	0	0	0	0	46,275
Total for Southern Graphic Systems Llc		25	221	245	0	0	245	0	0	0	0	0	46,275
Total for Above County : (7 reports)		26	11,151	11,176	0	28	11,205	0	0	0	0	1	58,283
HENRY		BASSETT PLANT 11						PATRIOT CENTRE AT BEAVER CREEK				NAICS Code	337122
N-BUTYL ALCOHOL	N	0	10,803	10,803	0	0	10,803	0	0	0	0	0	10,803
TOLUENE	N	0	14,275	14,275	0	0	14,275	0	0	0	0	0	14,275
Total for Bassett Plant 11		0	25,078	25,078	0	0	25,078	0	0	0	0	0	25,078
HENRY		CPFILMS - PLANT II						4129 THE GREAT RD				NAICS Code	326130
ACRYLIC ACID	N	38	765	803	0	0	803	0	0	46,200	46,200	0	3,500
ETHYLENE GLYCOL	N	230,000	5,200	235,200	0	0	235,200	0	0	677,000	677,000	75,900	214,440
METHYL ISOBUTYL KETONE	N	64	1,290	1,354	0	0	1,354	0	0	37,900	37,900	0	7,750
N-HEXANE	N	65	1,300	1,365	0	0	1,365	0	0	105,000	105,000	0	120
N-METHYL-2-PYRROLIDONE	N	224,000	633	224,633	0	0	224,633	0	0	530,000	530,000	23,100	486,250
TOLUENE	N	406	8,120	8,526	0	0	8,526	0	0	393,000	393,000	0	43,620

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
Total for Cpfilms - Plant li		454,573	17,308	471,881	0	0	471,881	0	0	1,789,100	1,789,100	99,000	755,680
HENRY	CPFILMS, INC.							345 BEAVER CREEK DR				NAICS Code	326112
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	7,743
ETHYLENE GLYCOL	N	5	1,841	1,846	0	0	1,846	0	1,418,176	108,520	1,526,696	9,495	54,286
N-HEXANE	N	5	639	644	0	0	644	0	0	67,060	67,060	0	7,720
N-METHYL-2-PYRROLIDONE	N	5	30	35	0	0	35	0	0	177,989	177,989	2,605	182,112
TOLUENE	N	5	5,915	5,920	0	0	5,920	0	0	585,565	585,565	0	50,604
Total for Cpfilms, Inc.		20	8,425	8,445	0	0	8,445	0	1,418,176	939,134	2,357,310	12,100	302,465
HENRY	EASTMAN PERFORMANCE FILMS, LLC-AXTON FACILITY							47 BRENDA DR				NAICS Code	326130
ETHYLENE GLYCOL	N	1	140	141	0	0	141	0	0	0	0	0	7,300
Total for Eastman Performance Films, Llc-Axton Faci		1	140	141	0	0	141	0	0	0	0	0	7,300
HENRY	EASTMAN PERFORMANCE FILMS, LLC-PLANT 1							4210 THE GREAT RD				NAICS Code	326130
TOLUENE	N	122	2,450	2,572	0	0	2,572	0	0	118,000	118,000	0	35,819
Total for Eastman Performance Films, Llc-Plant 1		122	2,450	2,572	0	0	2,572	0	0	118,000	118,000	0	35,819
HENRY	MEHLER ENGINEERED PRODUCTS							175 MEHLER LN				NAICS Code	314994
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	740
TOLUENE	N	290	7	297	0	0	297	726,618	0	0	726,618	0	13,468
XYLENE (MIXED ISOMERS)	N	5	1	6	0	0	6	23,800	0	0	23,800	0	229
Total for Mehler Engineered Products		295	8	303	0	0	303	750,418	0	0	750,418	0	14,437
HENRY	RTI MARTINSVILLE INC							101 RTI WAY				NAICS Code	332112
ALUMINUM (FUME OR DUST)	N	16	1,574	1,590	0	0	1,590	0	0	0	0	0	75,863
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	171

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Rti Martinsville Inc		16	1,574	1,590	0	0	1,590	0	0	0	0	0	76,034
Total for Above County : (20 reports)		455,027	54,983	510,010	0	0	510,010	750,418	1,418,176	2,846,234	5,014,828	111,100	1,216,813
HOPEWELL (CITY)		ADVANSIX INC HOPEWELL PLANT						905 E RANDOLPH RD				NAICS Code	325199
ACETALDEHYDE	N	578	679	1,257	0	0	1,257	0	0	426,217	426,217	0	1,700
AMMONIA	N	7,117	1,120,429	1,127,546	0	23,323	1,150,869	0	0	0	0	103,829	62,322
BENZENE	N	240	7,656	7,896	0	680	8,576	0	73,870	178,589	252,459	252	240
COPPER COMPOUNDS	N	0	0	0	0	3,510	3,510	0	0	0	0	138	3,546
CYCLOHEXANOL	N	708	2,979	3,687	0	30,603	34,290	0	0	22,019	22,019	33,284	30,288
METHANOL	N	453	11,784	12,237	0	0	12,237	1,061,164	0	0	1,061,164	17,101	16,210
NITRATE COMPOUNDS	N	0	3,070	3,070	0	42,523	45,593	0	0	0	0	378,584	340,726
PHENOL	N	1,241	20,451	21,692	0	765	22,457	0	0	45,257	45,257	10,654	940,540
SULFURIC ACID (1994 AND AFTER "	N	6,373	42,807	49,180	0	0	49,180	0	1,546,613	0	1,546,613	0	0
TOLUENE	N	1,088	9,680	10,768	0	665	11,433	0	64,560	205,520	270,080	84	1,656
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	4,386
Total for Advansix Inc Hopewell Plant		17,798	1,219,535	1,237,333	0	102,069	1,339,402	1,061,164	1,685,043	877,602	3,623,809	543,926	1,401,614
HOPEWELL (CITY)		ASHLAND SPECIALTY INGREDIENTS GP						1111 HERCULES RD -				NAICS Code	325199
CERTAIN GLYCOL ETHERS	N	12	0	12	0	0	12	0	0	0	0	0	262,317
CHLOROACETIC ACID	N	858	2	860	0	0	860	0	0	0	0	0	0
CHLOROETHANE	N	80,876	1,816	82,692	0	0	82,692	0	76,837	0	76,837	0	1
ETHYLENE	N	5,633	59,374	65,007	0	0	65,007	0	0	0	0	0	0
ETHYLENE GLYCOL	N	94	0	94	0	0	94	0	0	0	0	2,305,353	2,176,232
ETHYLENE OXIDE	N	992	76	1,068	0	0	1,068	0	0	0	0	1,189	1,082

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
METHANOL	N	129,199	2,556	131,755	0	0	131,755	0	82,332,942	0	82,332,942	440,042	438,837
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	6,261,096	6,007,125
NITRIC ACID	N	2,397	5	2,402	0	0	2,402	0	0	0	0	0	0
PROPYLENE OXIDE	N	2,772	131	2,903	0	0	2,903	0	0	73	73	493	449
TERT-BUTYL ALCOHOL	N	95,164	4,903	100,067	0	0	100,067	0	172,622,274	0	172,622,274	87,833	90,281
Total for Ashland Specialty Ingredients Gp		317,997	68,863	386,860	0	0	386,860	0	255,032,053	73	255,032,126	9,096,006	8,976,324
HOPEWELL (CITY)	EVONIK INDUSTRIES							914 E RANDOLPH RD				NAICS Code	325613
ACRYLIC ACID	N	0	812	812	0	0	812	0	0	0	0	208	630
ALLYL ALCOHOL	N	27	128	155	0	0	155	0	0	2,563	2,563	0	0
CHLOROACETIC ACID	N	5	252	257	0	0	257	0	0	5,046	5,046	0	0
ETHYLENE GLYCOL	N	3	467	470	0	0	470	0	0	0	0	8,043	0
ETHYLENE OXIDE	N	56	18	74	0	0	74	0	0	18,304	18,304	0	0
N-BUTYL ALCOHOL	N	4	14	18	0	0	18	0	0	272	272	0	5,778
PROPYLENE OXIDE	N	50	18	69	0	0	69	0	0	18,304	18,304	0	0
Total for Evonik Industries		145	1,710	1,855	0	0	1,855	0	0	44,489	44,489	8,251	6,408
HOPEWELL (CITY)	WESTROCK CP LLC							910 INDUSTRIAL ST				NAICS Code	322130
BARIUM COMPOUNDS	N	0	664	664	0	0	664	0	0	0	0	0	16,756
CATECHOL	N	0	0	0	0	0	0	0	0	0	0	455	419
FORMALDEHYDE	N	0	6,263	6,263	0	0	6,263	0	0	23,195	23,195	6,749	6,209
HYDROCHLORIC ACID (1995 AND A	N	0	34,650	34,650	0	0	34,650	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	131	131	0	0	131	0	0	0	0	28,770	125,472
METHANOL	N	0	358,176	358,176	0	0	358,176	0	0	139,044	139,044	4,283,939	3,941,224
PHENOL	N	0	7,024	7,024	0	0	7,024	0	0	40,032	40,032	6,633	6,103

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Chemical Name	form A*												
Total for Westrock Cp Llc		0	406,908	406,908	0	0	406,908	0	0	202,271	202,271	4,326,546	4,096,182
HOPEWELL (CITY)	WESTROCK CP, LLC							910 INDUSTRIAL ST				NAICS Code	322130
ACETALDEHYDE	N	0	13,732	13,732	0	0	13,732	0	0	27,982	27,982	0	88,360
AMMONIA	N	0	64,828	64,828	0	0	64,828	0	0	0	0	0	4,350
CRESOL (MIXED ISOMERS)	N	0	18,045	18,045	0	0	18,045	0	0	6,421	6,421	0	596
HYDROGEN SULFIDE	N	0	25,191	25,191	0	0	25,191	0	0	53,116	53,116	81,918	81,918
Total for Westrock Cp, Llc		0	121,796	121,796	0	0	121,796	0	0	87,520	87,520	81,918	175,225
Total for Above County : (40 reports)		335,940	1,818,812	2,154,752	0	102,069	2,256,821	1,061,164	256,717,096	1,211,955	258,990,215	14,056,647	14,655,753
ISLE OF WIGHT	INTERNATIONAL PAPER FRANKLIN MILL							34040 UNION CAMP DR				NAICS Code	322110
ACETALDEHYDE	N	6,127	18,372	24,499	0	411	24,910	0	0	39,759	39,759	0	5
AMMONIA	N	0	102,681	102,681	0	694	103,375	0	0	150,393	150,393	0	12
BARIUM COMPOUNDS	N	0	19	19	0	497	516	0	0	0	0	0	3,687
CATECHOL	N	0	0	0	0	42	42	0	0	816	816	0	1
CHLORINE	N	5	7,365	7,370	0	0	7,370	0	0	199,058	199,058	0	0
CHLORINE DIOXIDE	N	5	1,597	1,602	0	0	1,602	0	0	8,550,403	8,550,403	0	0
CRESOL (MIXED ISOMERS)	N	12,398	2,319	14,717	0	6	14,723	0	0	8,589	8,589	0	3
FORMALDEHYDE	N	712	7,384	8,096	0	1,211	9,307	0	0	32,049	32,049	0	14
FORMIC ACID	N	0	0	0	0	84	84	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	83,135	83,135	0	0	83,135	0	0	0	0	0	0
HYDROGEN SULFIDE	N	92,191	43,688	135,879	0	185	136,064	0	0	508,835	508,835	0	346
MANGANESE COMPOUNDS	N	0	52	52	0	6,683	6,735	0	0	0	0	0	39,192
METHANOL	N	267,915	408,380	676,295	0	0	676,295	0	0	6,441,899	6,441,899	0	4,798

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRATE COMPOUNDS	N	0	0	0	0	7,068	7,068	0	0	0	0	0	18
PHENOL	N	560	14,380	14,940	0	6	14,946	0	0	2,606	2,606	0	4
Total for International Paper Franklin Mill		379,913	689,372	1,069,285	0	16,887	1,086,172	0	0	15,934,407	15,934,407	0	48,080
ISLE OF WIGHT SMITHFIELD FRESH MEATS CORP SMITHFIELD, VA FACILITY								601 N CHURCH ST				NAICS Code	311612
AMMONIA	N	12,255	233	12,488	0	120	12,608	0	0	0	0	13,917	13,956
HYDROGEN SULFIDE	N	135,911	156	136,067	0	0	136,067	0	0	0	0	6,796	24
NITRATE COMPOUNDS	N	0	0	0	0	750	750	0	0	0	0	2,880,005	1,365,571
SODIUM NITRITE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Smithfield Fresh Meats Corp Smithfield, Va		148,166	389	148,555	0	870	149,425	0	0	0	0	2,900,718	1,379,551
Total for Above County : (19 reports)		528,079	689,761	1,217,840	0	17,757	1,235,597	0	0	15,934,407	15,934,407	2,900,718	1,427,631
JAMES CITY ANHEUSER-BUSCH LLC								7801 POCAHONTAS TRAIL				NAICS Code	312120
AMMONIA	N	8,231	10,811	19,042	0	0	19,042	0	0	0	0	0	819
Total for Anheuser-Busch Llc		8,231	10,811	19,042	0	0	19,042	0	0	0	0	0	819
JAMES CITY BALL METAL BEVERAGE CONTAINER CORP								8935 POCAHONTAS TRAIL JAMES RIVER COMMERCIAL				NAICS Code	332431
CERTAIN GLYCOL ETHERS	N	64,000	310,000	374,000	0	0	374,000	0	0	0	0	0	588
N-BUTYL ALCOHOL	N	39,000	180,000	219,000	0	0	219,000	0	0	0	0	0	243
SULFURIC ACID (1994 AND AFTER "	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Ball Metal Beverage Container Corp		103,000	490,000	593,000	0	0	593,000	0	0	0	0	0	831
JAMES CITY GREYSTONE OF VIRGINIA INC								7992 RICHMOND RD				NAICS Code	332813
CHROMIUM COMPOUNDS(EXCEPT	N	0	1	1	0	0	1	0	0	0	0	40	17,067
Total for Greystone Of Virginia Inc		0	1	1	0	0	1	0	0	0	0	40	17,067
Total for Above County : (5 reports)		111,231	500,812	612,043	0	0	612,043	0	0	0	0	40	18,716

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air	Stack Air	Total Air	Land	Water	Total On-Site Releases	Energy Recovery	Recycling	Treatment	Total On-Site Management	POTW	Total Other Off-Site Transfers **
Chemical Name	form A*	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)
KING GEORGE BIRCHWOOD POWER FACILITY								10900 BIRCHWOOD DR				NAICS Code	221112
AMMONIA	N	109	230	339	0	0	339	0	0	336,941	336,941	0	2,027
BARIUM COMPOUNDS	N	1	11	12	0	0	12	0	0	0	0	0	43,200
HYDROCHLORIC ACID (1995 AND A	N	0	5,733	5,733	0	0	5,733	0	0	531,452	531,452	0	0
HYDROGEN FLUORIDE	N	0	387	387	0	0	387	0	0	32,725	32,725	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	809	809	0	0	809	0	0	178,714	178,714	0	0
Total for Birchwood Power Facility		110	7,170	7,280	0	0	7,280	0	0	1,079,832	1,079,832	0	45,227
KING GEORGE CMC REBAR VA KING GEORGE								10924 DENNIS W KERNS PKWY				NAICS Code	332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Cmc Rebar Va King George		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 reports)		110	7,170	7,280	0	0	7,280	0	0	1,079,832	1,079,832	0	45,227
KING WILLIAM WESTROCK CP, LLC								1901 MAIN ST				NAICS Code	322110
ACETALDEHYDE	N	493	29,318	29,811	0	1,470	31,281	0	0	30,222	30,222	0	1
AMMONIA	N	241	126,078	126,319	0	832	127,151	0	0	274,589	274,589	0	0
BARIUM COMPOUNDS	N	0	687	687	0	0	687	0	0	0	0	0	24,728
CATECHOL	N	0	0	0	0	4	4	0	0	404	404	0	0
CHLORINE	N	5	14	19	0	0	19	0	0	1,384	1,384	0	0
CHLORINE DIOXIDE	N	5	66	71	0	0	71	0	0	6,572	6,572	0	0
CRESOL (MIXED ISOMERS)	N	14	76	90	0	4	93	0	0	15,328	15,328	0	0
FORMALDEHYDE	N	60	7,519	7,579	0	628	8,207	0	0	16,787	16,787	0	1
FORMIC ACID	N	0	0	0	0	1,187	1,187	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	48,065	48,065	0	0	48,065	0	0	419	419	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HYDROGEN SULFIDE	N	4,994	48,351	53,345	0	186	53,532	0	0	229,697	229,697	0	18
MANGANESE COMPOUNDS	N	0	333	333	0	44,553	44,886	0	0	0	0	0	119,617
METHANOL	N	131,882	303,935	435,817	0	8,122	443,939	0	0	8,107,898	8,107,898	0	144
PHENOL	N	170	14,818	14,988	0	1,851	16,839	0	0	8,378	8,378	0	2
ZINC COMPOUNDS	N	0	313	313	0	529	841	0	0	0	0	0	19,149
Total for Westrock Cp, Llc		137,864	579,571	717,435	0	59,365	776,801	0	0	8,691,678	8,691,678	0	163,660
Total for Above County : (15 reports)		137,864	579,571	717,435	0	59,365	776,801	0	0	8,691,678	8,691,678	0	163,660

LOUDOUN		CHANTILLY READY MIX CONCRETE						25232 WILLARD ROAD				NAICS Code	327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Chantilly Ready Mix Concrete		0	0	0	0	0	0	0	0	0	0	0	0

LOUDOUN		MENZIES AVIATION FUELING OPERATIONS WASH DULLES INTERN						TANK FARM RD BUILDING 2				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	N	118	0	118	0	0	118	0	0	0	0	0	0
ARSENIC	N	1	0	1	0	0	1	0	0	0	0	0	0
BENZENE	N	76	0	76	0	0	76	0	0	0	0	0	0
BERYLLIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CADMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM	N	1	0	1	0	0	1	0	0	0	0	0	0
ETHYLBENZENE	N	76	0	76	0	0	76	0	0	0	0	0	0
METHYL TERT-BUTYL ETHER	N	708	0	708	0	0	708	0	0	0	0	0	0
NAPHTHALENE	N	175	0	175	0	0	175	0	7,725	0	7,725	0	1,821
N-HEXANE	N	47	0	47	0	0	47	0	0	0	0	0	0
TOLUENE	N	341	0	341	0	0	341	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
XYLENE (MIXED ISOMERS)	N	339	0	339	0	0	339	0	0	0	0	0	0
Total for Menzies Aviation Fueling Operations Wash		1,882	0	1,882	0	0	1,882	0	7,725	0	7,725	0	1,821
LOUDOUN								44146 WADE DR				NAICS Code	327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Superior Concrete Materials Inc. - Dulles		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								22963 CONCRETE PLAZA				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	130	130	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Sterling Plant		0	0	0	0	130	130	0	0	0	0	0	0
LOUDOUN								1200 SEVERN WAY				NAICS Code	334412
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	40,406	36,374
NITRIC ACID	N	5	5	10	0	0	10	0	0	41,066	41,066	0	0
SULFURIC ACID (1994 AND AFTER "	N	5	5	10	0	0	10	0	0	750	750	0	0
Total for Ttm Technologies Na Llc		10	10	20	0	0	20	0	0	41,816	41,816	40,406	36,374
LOUDOUN								1200 SEVERN WAY				NAICS Code	334412
AMMONIA	N	350	3,235	3,585	0	0	3,585	0	0	0	0	0	11,808
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	145,716
Total for Ttm Technologies North America, Llc.		350	3,235	3,585	0	0	3,585	0	0	0	0	0	157,524
LOUDOUN								42574 COCHRAN MILL RD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	358	358	0	0	0	0	0	0
Total for Virginia Concrete Cochran Mill		0	0	0	0	358	358	0	0	0	0	0	0
LOUDOUN								44866 OLD OX ROAD				NAICS Code	327320

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRATE COMPOUNDS	N	0	0	0	0	347	347	0	0	0	0	0	0
Total for Virginia Concrete Dulles Plant		0	0	0	0	347	347	0	0	0	0	0	0
Total for Above County : (23 reports)		2,242	3,245	5,487	0	835	6,322	0	7,725	41,816	49,541	40,406	195,719
LOUISA		GORDONSVILLE POWER STATION						819 HILL RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Gordonsville Power Station		0	0	0	0	0	0	0	0	0	0	0	0
LOUISA		OLD DOMINION ELECTRIC CO-OP LOUISA GENERATION FACILITY						3352 KLOCKNER RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Old Dominion Electric Co-Op Louisa Genera		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 reports)		0	0	0	0	0	0	0	0	0	0	0	0
LUNENBURG		VIRGINIA MARBLE MANUFACTURERS INC						CORNER OF BRUNSWICK & OAK ST				NAICS Code	326191
STYRENE	N	0	66,140	66,140	0	0	66,140	0	0	0	0	0	0
STYRENE	N	0	51,840	51,840	0	0	51,840	0	0	0	0	0	0
Total for Virginia Marble Manufacturers Inc		0	117,980	117,980	0	0	117,980	0	0	0	0	0	0
Total for Above County : (2 reports)		0	117,980	117,980	0	0	117,980	0	0	0	0	0	0
LYNCHBURG (CITY)		BANKER STEEL COMPANY, LLC						1619 WYTHE RD				NAICS Code	332312
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	15,031

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	34,344
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	29,801
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	0	0	0	0	79,176
LYNCHBURG (CITY) DAVIS-FROST INC								3416 CANDLERS MOUNTAIN RD				NAICS Code	325510
ALUMINUM OXIDE (FIBROUS FOR	N	268	0	268	0	0	268	0	0	0	0	0	0
CERTAIN GLYCOL ETHERS	N	1,031	0	1,031	0	0	1,031	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	2,226	0	2,226	0	0	2,226	0	0	0	0	0	21,927
ZINC COMPOUNDS	N	503	0	503	0	0	503	0	0	0	0	0	0
Total for Davis-Frost Inc		4,028	0	4,028	0	0	4,028	0	0	0	0	0	21,927
LYNCHBURG (CITY) FLOWSERVE CORP LYNCHBURG VA								5114 WOODALL RD				NAICS Code	333995
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Flowserve Corp Lynchburg Va		0	0	0	0	0	0	0	0	0	0	0	0
LYNCHBURG (CITY) GRIFFIN PIPE PRODUCTS CO								10 ADAMS ST				NAICS Code	331511
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	2
MANGANESE COMPOUNDS	N	14	2,117	2,131	0	107	2,238	0	0	0	0	0	79,245
ZINC COMPOUNDS	N	68	67,132	67,200	0	47	67,247	0	0	0	0	2,415	1,112,898
Total for Griffin Pipe Products Co		82	69,249	69,331	0	154	69,485	0	0	0	0	2,415	1,192,145
LYNCHBURG (CITY) LSC COMMUNICATIONS / LYNCHBURG								4201 MURRAY PL				NAICS Code	323111
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	12
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1,200
TOLUENE	N	0	17,583	17,583	0	0	17,583	0	0	0	0	3	119,613
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	290	197

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Lsc Communications / Lynchburg		0	17,583	17,583	0	0	17,583	0	0	0	0	294	121,022
LYNCHBURG (CITY) NORCRAFT COMPANIES								1 MILLRACE DR				NAICS Code	337110
CERTAIN GLYCOL ETHERS	N	0	8,880	8,880	0	0	8,880	0	0	0	0	0	1,453
TOLUENE	N	0	16,569	16,569	0	0	16,569	0	0	0	0	0	2,609
XYLENE (MIXED ISOMERS)	N	0	27,921	27,921	0	0	27,921	0	0	0	0	0	4,578
Total for Norcraft Companies		0	53,370	53,370	0	0	53,370	0	0	0	0	0	8,640
LYNCHBURG (CITY) SLOCUM ADHESIVES CORPORATION								1409 BUCHANAN ST				NAICS Code	325520
1-BROMOPROPANE	N	376	0	376	0	0	376	0	0	0	0	0	0
DICHLOROMETHANE	N	9,012	0	9,012	0	0	9,012	0	0	0	0	0	0
N-HEXANE	N	2,803	0	2,803	0	0	2,803	0	0	0	0	0	0
TOLUENE	N	3,363	0	3,363	0	0	3,363	0	0	0	0	0	0
TRICHLOROETHYLENE	N	928	0	928	0	0	928	0	0	0	0	0	0
Total for Slocum Adhesives Corporation		16,482	0	16,482	0	0	16,482	0	0	0	0	0	0
LYNCHBURG (CITY) WESTOVER DAIRY								2801 FORT AVE				NAICS Code	311511
NITRIC ACID	N	0	0	0	0	0	0	0	0	11,162	11,162	0	0
Total for Westover Dairy		0	0	0	0	0	0	0	0	11,162	11,162	0	0
Total for Above County : (25 reports)		20,592	140,202	160,794	0	154	160,948	0	0	11,162	11,162	2,709	1,422,910
MADISON MADISON WOOD PRESERVERS INC.								216 OAK PARK RD				NAICS Code	321114
ARSENIC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Madison Wood Preservers Inc.		0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Above County : (3 reports)		0	0	0	0	0	0	0	0	0	0	0	0
MECKLENBURG	AMERICAN BUILDINGS COMPANY-LA CROSSE							501 GOLDEN EAGLE DR				NAICS Code	332311
MANGANESE	N	23	0	23	0	0	23	0	0	0	0	0	10,684
Total for American Buildings Company-La Crosse		23	0	23	0	0	23	0	0	0	0	0	10,684
Total for Above County : (1 record)		23	0	23	0	0	23	0	0	0	0	0	10,684
MONTGOMERY	ALLIANT TECHSYSTEMS OPERATIONS LLC (NEW RIVER ENERGETI							RT 114 RADFORD ARMY AMMUNITION PLANT				NAICS Code	325920
DIPHENYLAMINE	N	0	257	257	0	0	257	0	1,217	0	1,217	0	787
NITRATE COMPOUNDS	N	0	120	120	0	0	120	0	930	0	930	0	123,847
NITROGLYCERIN	N	0	25,121	25,121	0	0	25,121	0	90,216	0	90,216	76,616	118,219
Total for Alliant Techsystems Operations Llc (New Ri		0	25,498	25,498	0	0	25,498	0	92,363	0	92,363	76,616	242,853
MONTGOMERY	BAE SYSTEMS, ORDNANCE SYSTEMS INC							RADFORD ARMY AMMUNITION PLANT 4050 N HARRIS				NAICS Code	325920
2,4-DINITROTOLUENE	N	0	0	0	0	0	0	0	0	5,300	5,300	0	1
AMMONIA	N	20,134	61	20,195	0	505	20,700	0	0	0	0	0	0
CHLORINE	N	0	0	0	0	0	0	0	0	5,007	5,007	0	0
COPPER COMPOUNDS	N	368	2,295	2,663	0	91	2,754	0	0	0	0	0	0
DIBUTYL PHTHALATE	N	5	1	6	0	0	6	0	0	1,714	1,714	0	0
NITRATE COMPOUNDS	N	0	0	0	0	7,355,650	7,355,650	0	0	14,561	14,561	0	0
NITRIC ACID	N	700	630	1,330	0	0	1,330	0	25,698,860	7,355,650	33,054,510	0	0
NITROGLYCERIN	N	0	51,954	51,954	0	0	51,954	0	0	298,792	298,792	0	0
Total for Bae Systems, Ordnance Systems Inc		21,207	54,941	76,148	0	7,356,246	7,432,394	0	25,698,860	7,681,023	33,379,883	0	1
MONTGOMERY	FEDERAL MOGUL POWERTRAIN LLC.							300 INDUSTRIAL PARK RD SE				NAICS Code	336350
ALUMINUM (FUME OR DUST)	N	112	11,201	11,313	0	0	11,313	0	0	0	0	0	266,963

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER	N	2	216	218	0	8	226	0	0	0	0	6	30,042
Total for Federal Mogul Powertrain LLC.		114	11,417	11,531	0	8	11,539	0	0	0	0	6	297,005
MONTGOMERY	PROCHEM, INC							5100 ENTERPRISE DR				NAICS Code	325998
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM DIMETHYLDITHIOCARBA	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Prochem, Inc		0	0	0	0	0	0	0	0	0	0	0	0
MONTGOMERY	WOLVERINE ADVANCED MATERIALS							3175 STATE ST				NAICS Code	332812
ETHYLENE GLYCOL	N	0	98	98	0	0	98	0	0	10,344	10,344	0	0
METHANOL	N	0	190	190	0	0	190	0	0	27,656	27,656	0	0
METHYL ISOBUTYL KETONE	N	30	1,378	1,408	0	0	1,408	0	0	195,493	195,493	0	0
METHYL ISOBUTYL KETONE	N	60	4,765	4,825	0	0	4,825	0	0	712,705	712,705	0	0
N,N-DIMETHYLFORMAMIDE	N	0	85	85	0	0	85	0	0	13,027	13,027	0	0
N-HEXANE	N	0	317	317	0	0	317	0	0	27,512	27,512	0	0
TOLUENE	N	267	14,377	14,644	0	0	14,644	0	0	2,199,661	2,199,661	0	0
TOLUENE	N	82	7,175	7,257	0	0	7,257	0	0	1,017,791	1,017,791	0	0
ZINC COMPOUNDS	N	0	4	4	0	7	11	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	2	2	0	1	3	0	0	0	0	0	0
Total for Wolverine Advanced Materials		439	28,391	28,830	0	8	28,838	0	0	4,204,189	4,204,189	0	0

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Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive	Stack	Total	Land	Water	Total	Energy	Recycling	Treatment	Total	POTW	Total Other
		Air	Air	Air			On-Site				On-Site		Off-Site
		(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	Recovery	(pounds)	(pounds)	(pounds)	(pounds)	Transfers **
								(pounds)					(pounds)
Total for Above County : (29 reports)		21,760	120,247	142,007	0	7,356,262	7,498,268	0	25,791,223	11,885,212	37,676,435	76,622	539,858
NEWPORT NEWS (CITY) CANON VIRGINIA INC								12000 CANON BLVD				NAICS Code	334419
METHANOL	N	773	221	994	0	0	994	0	28,707	0	28,707	0	14,906
O-XYLENE	N	206	165	371	0	0	371	0	30,598	0	30,598	0	15,943
Total for Canon Virginia Inc		979	386	1,365	0	0	1,365	0	59,305	0	59,305	0	30,849
NEWPORT NEWS (CITY) CONTINENTAL AUTOMOTIVE SYSTEMS INC								615 BLAND BLVD				NAICS Code	336310
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	148,513
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	1,350,250
Total for Continental Automotive Systems Inc		0	0	0	0	0	0	0	0	0	0	0	1,498,763
NEWPORT NEWS (CITY) HUNTINGTON INGALLS INC								4101 WASHINGTON AVE				NAICS Code	336611
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	N	124	1	124	0	505	630	0	0	0	0	131	16,710
N-BUTYL ALCOHOL	N	24,675	10,040	34,715	0	0	34,715	0	0	0	0	5	1,284
NICKEL	N	239	1	240	0	179	419	0	0	0	0	30	24,801
XYLENE (MIXED ISOMERS)	N	10,208	1,794	12,002	0	0	12,002	0	0	0	0	1	5,486
ZINC COMPOUNDS	N	102	1	103	0	8,480	8,583	0	0	0	0	750	24,571
Total for Huntington Ingalls Inc		35,347	11,837	47,184	0	9,165	56,349	0	0	0	0	917	72,853
NEWPORT NEWS (CITY) HUNTINGTON INGALLS INCORPORATED								4101 WASHINGTON AVE				NAICS Code	336611
1,2,4-TRIMETHYLBENZENE	N	14,104	0	14,104	0	0	14,104	0	0	0	0	5	684
CHROMIUM	N	143	1	143	0	179	323	0	0	0	0	35	7,538
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	67,589
MANGANESE	N	1,064	4	1,068	0	0	1,068	0	0	0	0	0	5,567

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Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Huntington Ingalls Incorporated		15,311	5	15,315	0	179	15,495	0	0	0	0	39	81,378
NEWPORT NEWS (CITY)	KINYO VIRGINIA INC							290 ENTERPRISE DR				NAICS Code	326299
TOLUENE	N	35,740	25,940	61,680	0	0	61,680	0	0	0	0	0	20,450
Total for Kinyo Virginia Inc		35,740	25,940	61,680	0	0	61,680	0	0	0	0	0	20,450
NEWPORT NEWS (CITY)	MARVA MAID DAIRY							5500 CHESTNUT AVE				NAICS Code	311511
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	30,673
NITRIC ACID	N	0	0	0	0	0	0	0	0	34,624	34,624	0	0
Total for Marva Maid Dairy		0	0	0	0	0	0	0	0	34,624	34,624	0	30,673
NEWPORT NEWS (CITY)	MICA CO OF CANADA INC							900 JEFFERSON AVE				NAICS Code	327999
METHANOL	N	250	20,140	20,390	0	0	20,390	0	0	0	0	0	0
TOLUENE	N	250	14,309	14,559	0	0	14,559	0	0	0	0	0	0
Total for Mica Co Of Canada Inc		500	34,449	34,949	0	0	34,949	0	0	0	0	0	0
NEWPORT NEWS (CITY)	PAPCO OIL COMPANY							407 JEFFERSON AVENUE				NAICS Code	424710
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Papco Oil Company		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (20 reports)		87,877	72,617	160,494	0	9,344	169,838	0	59,305	34,624	93,929	956	1,734,966
NORFOLK (CITY)	BAE SYSTEMS NORFOLK SHIP REPAIR							750 W BERKLEY AVE				NAICS Code	336611
CHROMIUM COMPOUNDS(EXCEPT	N	75	0	75	0	0	75	0	0	0	0	5	161,607
COPPER COMPOUNDS	N	518	0	518	0	22	540	0	0	0	0	202	70,069
MANGANESE COMPOUNDS	N	6	0	6	0	0	6	0	0	0	0	0	5,339
N-BUTYL ALCOHOL	N	9,394	0	9,394	0	0	9,394	0	0	0	0	0	5,354
NICKEL COMPOUNDS	N	5	0	5	0	0	5	0	0	0	0	42	106,769

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
ZINC COMPOUNDS	N	241	0	241	0	103	344	0	0	0	0	143	36,913
Total for Bae Systems Norfolk Ship Repair		10,239	0	10,239	0	125	10,364	0	0	0	0	392	386,051
NORFOLK (CITY)	CAPITAL CONCRETE INC.							400 STAPLETON ST				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	83	83	0	0	83	83	0	0
Total for Capital Concrete Inc.		0	0	0	0	83	83	0	0	83	83	0	0
NORFOLK (CITY)	COLONNA'S SHIPYARD INC							400 E INDIAN RIVER RD				NAICS Code	336611
N-BUTYL ALCOHOL	N	9,534	0	9,534	0	0	9,534	0	0	0	0	0	2,717
XYLENE (MIXED ISOMERS)	N	13,881	0	13,881	0	0	13,881	0	0	0	0	0	4,245
Total for Colonna'S Shipyard Inc		23,415	0	23,415	0	0	23,415	0	0	0	0	0	6,962
NORFOLK (CITY)	TITAN VIRGINIA READY-MIX LLC-CAMPOSTELLA PLANT							2125 KIMBALL TERRACE				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	56	56	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Campostella Pl		0	0	0	0	56	56	0	0	0	0	0	0
NORFOLK (CITY)	US NAVY NAVAL STATION NORFOLK							1530 GILBERT ST SUITE 2000				NAICS Code	928110
NAPHTHALENE	N	6	58	64	0	288	353	0	0	0	0	0	0
Total for Us Navy Naval Station Norfolk		6	58	64	0	288	353	0	0	0	0	0	0
Total for Above County : (11 reports)		33,660	58	33,718	0	552	34,270	0	0	83	83	392	393,013
NORTHUMBERLAND	OMEGA PROTEIN CORPORATION							610 MENHADEN RD				NAICS Code	311613
AMMONIA	N	0	17,000	17,000	0	174	17,174	0	0	0	0	0	0
Total for Omega Protein Corporation		0	17,000	17,000	0	174	17,174	0	0	0	0	0	0
Total for Above County : (1 record)		0	17,000	17,000	0	174	17,174	0	0	0	0	0	0
NOTTOWAY	COX WOOD OF VIRGINIA							2960 COX RD				NAICS Code	321114

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Appendix F

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ARSENIC COMPOUNDS	N	0	0	0	0	21	21	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	Y	0	0	0	0	0	0	0	0	0	0	0	0
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Cox Wood Of Virginia		0	0	0	0	21	21	0	0	0	0	0	0
NOTTOWAY		TYSON FARMS INC. - FEED MILL						1938 PATRICK HENRY HWY				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Tyson Farms Inc. - Feed Mill		0	0	0	0	0	0	0	0	0	0	0	0
NOTTOWAY		US ARMY NATIONAL GUARD FORT PICKETT (INSTALLATION)						US PFO BUILDING 316 FORT PICKETT				NAICS Code	928110
COPPER	N	0	0	0	91,181	0	91,181	0	0	0	0	0	0
DINITROTOLUENE (MIXED ISOMER	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Us Army National Guard Fort Pickett (Install		0	0	0	91,181	0	91,181	0	0	0	0	0	0
Total for Above County : (8 reports)		0	0	0	91,181	21	91,202	0	0	0	0	0	0
PATRICK		MICROMETRICS SYSTEM						225 JEB STUART HWY				NAICS Code	332710
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
PROPYLENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Micrometrics System		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 reports)		0	0	0	0	0	0	0	0	0	0	0	0
PETERSBURG (CITY)		AMPAC FINE CHEMICALS VIRGINIA, LLC						2820 N NORMANDY DRIVE				NAICS Code	325411
DICHLOROMETHANE	N	9	1,857	1,865	0	0	1,865	0	0	0	0	0	88,094
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	64

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
METHANOL	N	8	412	420	0	0	420	0	0	0	0	0	161,477
N,N-DIMETHYLFORMAMIDE	N	1	66	67	0	0	67	0	0	0	0	0	4,351
Total for Ampac Fine Chemicals Virginia, Llc		18	2,335	2,352	0	0	2,352	0	0	0	0	0	253,986
PETERSBURG (CITY)	AMSTED RAIL CO INC							2580 FRONTAGE RD				NAICS Code	332111
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	10	81,894
COPPER	N	0	0	0	0	0	0	0	0	0	0	10	50,705
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	139,857
NICKEL	N	0	1	1	0	0	1	0	0	0	0	77	82,594
Total for Amsted Rail Co Inc		0	1	1	0	0	1	0	0	0	0	96	355,049
PETERSBURG (CITY)	BLEACHTECH LLC							2020 BESSEMER RD				NAICS Code	325180
CHLORINE	N	255	0	255	0	0	255	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	N	5	5	10	0	0	10	0	0	0	0	0	0
Total for Bleachtech Llc		260	5	265	0	0	265	0	0	0	0	0	0
PETERSBURG (CITY)	DOMINION CHEMICAL CO INC							2050 PUDDLEDOKK RD				NAICS Code	325998
AMMONIA	N	5	5	10	0	0	10	0	0	0	0	0	0
METHANOL	N	250	250	500	0	0	500	0	0	0	0	0	0
Total for Dominion Chemical Co Inc		255	255	510	0	0	510	0	0	0	0	0	0
PETERSBURG (CITY)	PRE CON INC							220 S PERRY ST				NAICS Code	313320
CYCLOHEXANE	N	0	224	225	0	0	225	0	0	1,890	1,890	0	4,650
Total for Pre Con Inc		0	224	225	0	0	225	0	0	1,890	1,890	0	4,650
PETERSBURG (CITY)	VALMONT-VIRGINIA GALVANIZING INC							3535 HALIFAX RD				NAICS Code	332812
ZINC COMPOUNDS	N	82	7	89	0	42	131	0	0	0	0	0	18,420

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Valmont-Virginia Galvanizing Inc		82	7	89	0	42	131	0	0	0	0	0	18,420
Total for Above County : (14 reports)		615	2,827	3,442	0	42	3,484	0	0	1,890	1,890	96	632,106
PITTSYLVANIA ARKEMA INC								601 TIGHTSQUEEZE IND US TRIAL RD				NAICS Code	325211
ACRYLIC ACID	N	1,600	250	1,850	0	0	1,850	0	0	418,000	418,000	0	0
BUTYL ACRYLATE	N	250	250	500	0	0	500	0	0	1,000	1,000	0	500
CERTAIN GLYCOL ETHERS	N	5	5	10	0	0	10	0	0	5,600	5,600	0	1,000
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
HYDROQUINONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHYL METHACRYLATE	N	250	250	500	0	0	500	0	0	300	300	0	750
PHTHALIC ANHYDRIDE	N	5	250	255	0	0	255	0	0	130	130	0	1,350
TOLUENE	N	2,100	750	2,850	0	0	2,850	0	1,250,000	26,400	1,276,400	0	485,750
TOLUENE DIISOCYANATE (MIXED I	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Arkema Inc		4,210	1,755	5,965	0	0	5,965	0	1,250,000	451,430	1,701,430	0	489,350
PITTSYLVANIA DANCHEM TECHNOLOGIES INC								1975 OLD RICHMOND RD				NAICS Code	325199
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	244	250
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	21	250
DICAMBA	N	0	0	0	0	0	0	0	0	0	0	0	750
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	2,700
ETHYLENE GLYCOL	N	36	0	37	0	0	37	0	0	0	0	10	250
MALEIC ANHYDRIDE	N	136	1	137	0	0	137	0	0	0	0	0	120
METHYL METHACRYLATE	N	228	72	300	0	0	300	0	0	0	0	0	420
N-BUTYL ALCOHOL	N	3,997	12	4,009	0	0	4,009	0	0	1,000	1,000	0	112,643

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	25	0
PHENOL	N	0	9	9	0	0	9	0	0	0	0	0	15
TOLUENE	N	1,551	3,026	4,577	0	0	4,577	0	0	20,000	20,000	0	131,975
XYLENE (MIXED ISOMERS)	N	64	2,269	2,333	0	0	2,333	0	0	0	0	5	4,200
Total for Danchem Technologies Inc		6,012	5,390	11,402	0	0	11,402	0	0	21,000	21,000	305	253,573
PITTSYLVANIA								1101 EAGLE SPRINGS RD				NAICS Code	326113
TOLUENE	N	8,394	96,532	104,926	0	0	104,926	0	2,439,457	0	2,439,457	0	0
Total for Intertape Polymer Corp		8,394	96,532	104,926	0	0	104,926	0	2,439,457	0	2,439,457	0	0
PITTSYLVANIA								202 STINSON DRIVE				NAICS Code	312230
AMMONIA	N	862	3,489	4,351	0	0	4,351	0	0	0	0	943	0
NICOTINE AND SALTS	N	15,860	34,148	50,008	0	0	50,008	0	0	0	0	3,154	2,207
Total for Jti Leaf Services (Us) Llc		16,722	37,637	54,359	0	0	54,359	0	0	0	0	4,097	2,207
PITTSYLVANIA								920 TIGHTSQUEEZE IND US TRIAL RD				NAICS Code	325211
DICYCLOPENTADIENE	N	134	338	472	0	0	472	0	0	0	0	0	2,601
ETHYLBENZENE	N	0	0	0	0	0	0	0	0	0	0	1	1,157
ETHYLENE GLYCOL	N	20	51	71	0	0	71	0	0	0	0	0	3,600
MALEIC ANHYDRIDE	N	195	889	1,084	0	0	1,084	0	0	0	0	0	18
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
PHTHALIC ANHYDRIDE	N	83	315	398	0	0	398	0	0	0	0	0	18
STYRENE	N	529	833	1,362	0	0	1,362	0	0	0	0	998	5,352
TRIETHYLAMINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Polynt Composites Usa Inc.		961	2,426	3,387	0	0	3,387	0	0	0	0	999	12,746
PITTSYLVANIA								200 TOY LANE				NAICS Code	339999

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Woodwick Candle		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (33 reports)		36,299	143,740	180,039	0	0	180,039	0	3,689,457	472,430	4,161,887	5,401	757,876
PORTSMOUTH (CITY)		U.S. AMINES (PORTSMOUTH) LLC						3230 W NORFOLK RD				NAICS Code	325199
3-CHLORO-2-METHYL-1-PROPENE	N	68	1	69	0	0	69	0	0	45	45	0	0
ALLYL CHLORIDE	N	185	5	190	0	0	190	0	0	252	252	0	0
ALLYLAMINE	N	181	1,960	2,141	0	0	2,141	0	0	96,040	96,040	0	0
AMMONIA	N	48	0	48	0	0	48	0	0	0	0	5	0
Total for U.S. Amines (Portsmouth) Llc		482	1,966	2,448	0	0	2,448	0	0	96,337	96,337	5	0
PORTSMOUTH (CITY)		US NAVY DEFENSE FUEL SUPPORT POINT CRANEY ISLAND						4501 CEDAR LN BLDG 288				NAICS Code	928110
NAPHTHALENE	N	876	0	876	0	45	921	0	834,568	2,375	836,943	0	49,642
Total for Us Navy Defense Fuel Support Point Crane		876	0	876	0	45	921	0	834,568	2,375	836,943	0	49,642
Total for Above County : (5 reports)		1,358	1,966	3,324	0	45	3,369	0	834,568	98,712	933,280	5	49,642
PRINCE GEORGE		GREEN PLAINS HOPEWELL LLC						701 S 6TH AVE				NAICS Code	325193
ACETALDEHYDE	N	4	830	834	0	0	834	0	0	24,606	24,606	0	0
FORMIC ACID	N	0	1,600	1,600	0	0	1,600	0	0	48,445	48,445	0	0
N-HEXANE	N	0	2,700	2,700	0	0	2,700	0	0	26,422	26,422	0	0
Total for Green Plains Hopewell Llc		4	5,130	5,134	0	0	5,134	0	0	99,473	99,473	0	0
PRINCE GEORGE		LUMINANT HOPEWELL POWER PLANT						1114 HERCULES RD				NAICS Code	221112
SULFURIC ACID (1994 AND AFTER "	N	0	128,322	128,322	0	0	128,322	0	0	0	0	0	0
Total for Luminant Hopewell Power Plant		0	128,322	128,322	0	0	128,322	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
PRINCE GEORGE	METL-SPAN, A DIVISION OF NCI GROUP, INC.							6001 QUALITY WAY				NAICS Code	332311
DIISOCYANATES	N	5,730	0	5,730	0	0	5,730	0	0	0	0	0	0
Total for Metl-Span, A Division Of Nci Group, Inc.		5,730	0	5,730	0	0	5,730	0	0	0	0	0	0
Total for Above County : (5 reports)		5,734	133,452	139,186	0	0	139,186	0	0	99,473	99,473	0	0
PRINCE WILLIAM	MANASSAS BROAD RUN READY MIX CONCRETE							9321 DEVELOPERS DRIVE				NAICS Code	327320
NITRATE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Manassas Broad Run Ready Mix Concrete		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	MICRON TECHNOLOGY INC.							9600 GODWIN DR				NAICS Code	334413
AMMONIA	N	450	12,000	12,450	0	10	12,460	0	0	14,000	14,000	39,000	39,000
FLUORINE	N	0	2,100	2,100	0	0	2,100	0	0	120,000	120,000	0	0
HYDROGEN FLUORIDE	N	0	6,500	6,500	0	0	6,500	0	0	800,000	800,000	0	560
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	75,000	75,000
NITRIC ACID	N	0	76	76	0	0	76	0	0	72,000	72,000	0	2,800
OZONE	N	0	160	160	0	0	160	0	0	160,000	160,000	0	0
PROPYLENE	N	0	140	140	0	0	140	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	640	640	0	0	640	0	0	120,000	120,000	0	0
Total for Micron Technology Inc.		450	21,616	22,066	0	10	22,076	0	0	1,286,000	1,286,000	114,000	117,360
PRINCE WILLIAM	POSSUM POINT POWER STATION							19000 POSSUM POINT RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	11,100	11,100	0	27,400	38,500	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	N	0	4,350	4,350	0	0	4,350	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Possum Point Power Station		0	15,450	15,450	0	27,400	42,850	0	0	0	0	0	0
PRINCE WILLIAM QUARLES PETROLEUM INC. MANASSAS BULK PLANT								8001 WELLINGFORD DR				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Quarles Petroleum Inc. Manassas Bulk Plan		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM SAFETY-KLEEN SYSTEMS MANASSAS (MAN)								11520 BALLS FORD RD				NAICS Code	562112
ETHYLENE GLYCOL	N	0	3	3	0	0	3	0	0	0	0	0	178,956
Total for Safety-Kleen Systems Manassas (Man)		0	3	3	0	0	3	0	0	0	0	0	178,956
PRINCE WILLIAM TITAN VIRGINIA READY-MIX LLC-DUMFRIES PLANT								3454 CANAL RD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Dumfries Plant		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM US MARINE CORPS BASE QUANTICO								3250 CATLIN AVE				NAICS Code	928110
1,2,4-TRIMETHYLBENZENE	N	3	0	3	0	0	3	0	0	0	0	0	0
BENZENE	N	161	77	238	0	0	238	0	0	0	0	0	19
COPPER	N	0	0	0	47,006	0	47,006	0	0	0	0	0	0
CUMENE	N	14	3	17	0	0	17	0	0	0	0	0	0
ETHYLBENZENE	N	327	6	333	0	0	333	0	0	0	0	0	0
ETHYLENE GLYCOL	N	1	0	1	0	0	1	0	0	0	0	0	0
NAPHTHALENE	N	1	1	2	0	0	2	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
N-HEXANE	N	27	340	367	0	0	367	0	0	0	0	0	73
NITRATE COMPOUNDS	N	0	0	0	0	45,834	45,834	0	0	0	0	0	0
TOLUENE	N	1,032	87	1,119	0	0	1,119	0	0	0	0	0	136
XYLENE (MIXED ISOMERS)	N	410	26	436	0	0	436	0	0	0	0	0	0
Total for Us Marine Corps Base Quantico		1,976	540	2,516	47,006	45,834	95,356	0	0	0	0	0	228
PRINCE WILLIAM								7300 RAIL LINE CT				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	274	274	0	0	0	0	0	0
Total for Virginia Concrete Gainesville Plant		0	0	0	0	274	274	0	0	0	0	0	0
Total for Above County : (33 reports)		2,426	37,609	40,035	47,006	73,518	160,559	0	0	1,286,000	1,286,000	114,000	296,544
PULASKI								509 BURGIS AVE				NAICS Code	313320
ANTIMONY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	3,821
BARIUM COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	2,652
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	0	0	0	0	0	0	0	0
DIBUTYL PHTHALATE	N	0	0	0	0	0	0	0	0	0	0	0	2,098
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	20
Total for Bondcote Corp		0	0	0	0	0	0	0	0	0	0	0	8,591
PULASKI								NEW BERN RD STATE RD 682				NAICS Code	333131
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Conn-Weld Ind Inc		0	0	0	0	0	0	0	0	0	0	0	0
PULASKI								5529 LEE HWY				NAICS Code	332813
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	N	37	55	92	0	0	92	0	0	0	0	3	0

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Chemical Name	form A*												
Total for Electroplate-Rite Corp		37	55	92	0	0	92	0	0	0	0	3	0
PULASKI	IMPERIAL GROUP MANUFACTURING INC							4969 STEPP PLACE				NAICS Code	332322
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	16,000
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	4,000
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	5,000
Total for Imperial Group Manufacturing Inc		0	0	0	0	0	0	0	0	0	0	0	25,000
PULASKI	MAR-BAL, INC.							5400 RESERVE WAY				NAICS Code	326199
STYRENE	N	1,368	0	1,368	0	0	1,368	0	0	0	0	0	3,121
Total for Mar-Bal, Inc.		1,368	0	1,368	0	0	1,368	0	0	0	0	0	3,121
PULASKI	NORDSON XALOY INC							102 XALOY WAY				NAICS Code	332999
NICKEL	N	5	250	255	0	0	255	0	0	0	0	0	40,405
Total for Nordson Xaloy Inc		5	250	255	0	0	255	0	0	0	0	0	40,405
PULASKI	VOLVO GROUP NORTH AMERICA, LLC							4881 COUGAR TRAIL ROAD				NAICS Code	336120
ETHYLBENZENE	N	455	1,380	1,835	0	0	1,835	0	0	10,228	10,228	0	66,898
ETHYLENE GLYCOL	N	3	5	8	0	0	8	0	0	18	18	0	27,476
METHANOL	N	4	324	328	0	0	328	0	0	1	1	0	707
N-BUTYL ALCOHOL	N	164	11,146	11,310	0	0	11,310	0	0	83,926	83,926	0	531,341
NITRIC ACID	N	0	19	19	0	0	19	0	0	11,172	11,172	0	0
XYLENE (MIXED ISOMERS)	N	1,937	9,043	10,980	0	0	10,980	0	0	68,110	68,110	0	445,987
Total for Volvo Group North America, Llc		2,563	21,917	24,480	0	0	24,480	0	0	173,455	173,455	0	1,072,409
Total for Above County : (19 reports)		3,973	22,222	26,195	0	0	26,195	0	0	173,455	173,455	3	1,149,526
RICHMOND	MCFARLAND CASCADE HOLDINGS INC							15939 HISTORY LAND HWY				NAICS Code	321114

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
ARSENIC COMPOUNDS	N	0	3	3	0	14	16	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	3	3	0	10	12	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	6	6	0	12	18	0	0	0	0	0	0
Total for Mcfarland Cascade Holdings Inc		0	11	11	0	35	46	0	0	0	0	0	0
RICHMOND		MONDELEZ GLOBAL LLC						6002 S LABURNUM AVE				NAICS Code	311821
AMMONIA	N	0	130,472	130,472	0	0	130,472	0	0	0	0	0	0
Total for Mondelez Global Llc		0	130,472	130,472	0	0	130,472	0	0	0	0	0	0
RICHMOND		QPI WARSAW BULK PLANT						11549 HISTORYLAND HWY				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Qpi Warsaw Bulk Plant		0	0	0	0	0	0	0	0	0	0	0	0
RICHMOND		RIVER POOLS AND SPAS						196 SELFTOWN RD				NAICS Code	326199
METHYL METHACRYLATE	N	671	2,012	2,683	0	0	2,683	0	0	0	0	0	0
STYRENE	N	6,540	19,620	26,160	0	0	26,160	0	0	0	0	0	0
Total for River Pools And Spas		7,211	21,632	28,843	0	0	28,843	0	0	0	0	0	0
Total for Above County : (12 reports)		7,211	152,115	159,326	0	35	159,361	0	0	0	0	0	0
RICHMOND (CITY)		BELLEMEADE POWER STATION						1860 COMMERCE RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
AMMONIA	N	0	3,540	3,540	0	0	3,540	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Bellemeade Power Station		0	3,540	3,540	0	0	3,540	0	0	0	0	0	0
RICHMOND (CITY)		CARPENTER CO RICHMOND PLANT						2400 JEFFERSON DAVIS HWY				NAICS Code	326150
DIISOCYANATES	N	30	265	295	0	0	295	0	0	0	0	0	24,482
TOLUENE DIISOCYANATE (MIXED I	N	37	336	373	0	0	373	0	0	0	0	0	30,889
Total for Carpenter Co Richmond Plant		67	601	668	0	0	668	0	0	0	0	0	55,371
RICHMOND (CITY)		KINDER MORGAN TRANSMIX COMPANY, LLC						3302 DEEPWATER TERMINAL RD				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	N	130	1	131	0	0	131	0	0	26	26	0	1
BENZENE	N	117	30	147	0	0	147	0	0	785	785	0	1
ETHYLBENZENE	N	32	2	34	0	0	34	0	0	59	59	0	1
N-HEXANE	N	94	27	121	0	0	121	0	0	709	709	0	0
TOLUENE	N	238	34	272	0	1	273	0	0	881	881	0	3
XYLENE (MIXED ISOMERS)	N	299	14	312	0	1	314	0	0	360	360	0	3
Total for Kinder Morgan Transmix Company, Llc		909	108	1,017	0	4	1,021	0	0	2,820	2,820	0	8
RICHMOND (CITY)		PHILIP MORRIS USA COMMERCE ROAD SITE						3601 COMMERCE RD				NAICS Code	312230
NICOTINE AND SALTS	N	102	10,211	10,313	0	0	10,313	0	0	92,611	92,611	35,528	124,185
Total for Philip Morris Usa Commerce Road Site		102	10,211	10,313	0	0	10,313	0	0	92,611	92,611	35,528	124,185
RICHMOND (CITY)		SPRUANCE GENCO LLC						5001 COMMERCE RD				NAICS Code	221112
BARIUM COMPOUNDS	N	0	0	0	0	73	73	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	25,107	25,107	0	0	25,107	0	0	333,045	333,045	0	0
HYDROGEN FLUORIDE	N	0	3,138	3,138	0	0	3,138	0	0	41,631	41,631	0	0

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
MANGANESE COMPOUNDS	N	0	27	27	0	9	36	0	0	0	0	0	5,558
SULFURIC ACID (1994 AND AFTER "	N	31	36	66	0	0	66	0	0	102,635	102,635	0	0
Total for Spruance Genco Llc		31	28,308	28,338	0	82	28,420	0	0	477,311	477,311	0	5,558
RICHMOND (CITY)		STERILIZATION SERVICES OF VIRGINIA						5674 EASTPORT BLVD				NAICS Code	339112
ETHYLENE GLYCOL	N	0	0	0	0	0	0	0	0	0	0	0	869,728
ETHYLENE OXIDE	N	0	3,497	3,497	0	0	3,497	0	0	341,625	341,625	0	0
Total for Sterilization Services Of Virginia		0	3,497	3,497	0	0	3,497	0	0	341,625	341,625	0	869,728
RICHMOND (CITY)		TCS MATERIALS RICHMOND PLANT						2100 DEEPWATER TERMINAL ROAD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	427	427	0	0	0	0	0	0
Total for Tcs Materials Richmond Plant		0	0	0	0	427	427	0	0	0	0	0	0
RICHMOND (CITY)		UPACO ADHESIVES INC						4105 CASTLEWOOD RD				NAICS Code	325520
TOLUENE	N	1,149	1,149	2,298	0	0	2,298	0	0	0	0	0	1,096
XYLENE (MIXED ISOMERS)	N	995	995	1,990	0	0	1,990	0	0	0	0	0	948
Total for Upaco Adhesives Inc		2,144	2,144	4,288	0	0	4,288	0	0	0	0	0	2,044
Total for Above County : (23 reports)		3,252	48,409	51,661	0	512	52,174	0	0	914,367	914,367	35,528	1,056,894
ROANOKE		ACCELLENT						200 S. YORKSHIRE STREET				NAICS Code	332996
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	1,566	1,566	33,800	33,800
NITRIC ACID	N	0	0	0	0	0	0	0	0	26,018	26,018	0	0
TRICHLOROETHYLENE	N	2,256	0	2,256	0	0	2,256	0	0	0	0	0	6,400
Total for Accellent		2,256	0	2,256	0	0	2,256	0	0	27,584	27,584	33,800	40,200
ROANOKE		CARDINAL GLASS						2132 CARDINAL PARK DR				NAICS Code	327215
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	16,006

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Cardinal Glass		0	0	0	0	0	0	0	0	0	0	0	16,006
ROANOKE		GRAHAM-WHITE MANUFACTURING CO.						1242 COLORADO ST				NAICS Code	336510
COPPER	N	21	0	21	0	0	21	0	0	0	0	0	9,519
Total for Graham-White Manufacturing Co.		21	0	21	0	0	21	0	0	0	0	0	9,519
ROANOKE		KIK (VIRGINIA) LLC						27 MILL LN				NAICS Code	325612
CHLORINE	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for Kik (Virginia) Llc		1	0	1	0	0	1	0	0	0	0	0	0
ROANOKE		KOPPERS INC (ROANOKE)						4020 KOPPERS RD				NAICS Code	321114
CREOSOTE	N	1,700	1,300	3,000	0	1	3,001	0	360,000	50	360,050	0	13,000
Total for Koppers Inc (Roanoke)		1,700	1,300	3,000	0	1	3,001	0	360,000	50	360,050	0	13,000
ROANOKE		MEDECO SECURITY LOCKS INC						3625 ALLEGHENY DR				NAICS Code	332510
ZINC COMPOUNDS	N	0	1	1	0	24	25	0	0	0	0	1	345,788
Total for Medeco Security Locks Inc		0	1	1	0	24	25	0	0	0	0	1	345,788
ROANOKE		MEDECO SECURITY LOCKS INC.						3625 ALLEGHENY DR				NAICS Code	332510
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	630,839
Total for Medeco Security Locks Inc.		0	0	0	0	0	0	0	0	0	0	0	630,839
ROANOKE		MENNEL MILLING CO OF VIRGINIA						5185 BENOIS RD				NAICS Code	311211
CHLORINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Mennel Milling Co Of Virginia		0	0	0	0	0	0	0	0	0	0	0	0
ROANOKE		NEW MILLENNIUM BUILDING SYSTEMS						100 DIUGUIDS LANE				NAICS Code	332312
CERTAIN GLYCOL ETHERS	N	17,217	0	17,217	0	0	17,217	0	0	0	0	0	0
MANGANESE	N	171	0	171	0	0	171	0	0	0	0	0	63,842

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Chemical Name	form A*												
NICKEL	N	1	0	1	0	0	1	0	0	0	0	0	5,257
Total for New Millennium Building Systems		17,389	0	17,389	0	0	17,389	0	0	0	0	0	69,099
ROANOKE	NOVOZYMES							420 KESLER MILL RD				NAICS Code	325414
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	29
Total for Novozymes		0	0	0	0	0	0	0	0	0	0	0	29
ROANOKE	SAFETY-KLEEN SYSTEMS VINTON (ROA)							16090 STEWARTSVILLE RD				NAICS Code	562112
ETHYLENE GLYCOL	N	0	3	3	0	0	3	0	0	0	0	0	180,257
Total for Safety-Kleen Systems Vinton (Roa)		0	3	3	0	0	3	0	0	0	0	0	180,257
ROANOKE	TECTON PRODUCTS LLC							5415 CORPORATE CIR				NAICS Code	326199
STYRENE	N	0	434	434	0	0	434	0	0	36,982	36,982	0	87
Total for Tecton Products Llc		0	434	434	0	0	434	0	0	36,982	36,982	0	87
ROANOKE	VIRGINIA TRANSFORMER CORP.							220 GLADE VIEW DR NE				NAICS Code	335311
XYLENE (MIXED ISOMERS)	N	4,944	2,444	7,388	0	0	7,388	0	965	0	965	0	0
Total for Virginia Transformer Corp.		4,944	2,444	7,388	0	0	7,388	0	965	0	965	0	0
ROANOKE	YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC							1500 INDIANA ST				NAICS Code	326211
ZINC COMPOUNDS	N	4,098	0	4,098	0	0	4,098	0	0	0	0	18	18,440
Total for Yokohama Tire Manufacturing Virginia Llc		4,098	0	4,098	0	0	4,098	0	0	0	0	18	18,440
Total for Above County : (18 reports)		30,408	4,182	34,590	0	25	34,615	0	360,965	64,616	425,581	33,819	1,323,264
ROANOKE (CITY)	AKZO NOBEL COATINGS INC							2837 ROANOKE AVE SW				NAICS Code	325510
1,2,4-TRIMETHYLBENZENE	N	284	0	284	0	0	284	0	0	0	0	0	6,031
ETHYLBENZENE	N	1,017	5	1,022	0	0	1,022	0	0	0	0	0	3,619
METHANOL	N	1,839	83	1,922	0	0	1,922	0	0	0	0	0	13,527

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Chemical Name	form A*												
METHYL ISOBUTYL KETONE	N	5,278	0	5,278	0	0	5,278	0	0	0	0	0	6,031
N-BUTYL ALCOHOL	N	2,598	0	2,598	0	0	2,598	0	0	0	0	0	15,680
TOLUENE	N	2,873	41	2,914	0	0	2,914	0	0	0	0	0	25,327
XYLENE (MIXED ISOMERS)	N	4,379	11	4,390	0	0	4,390	0	0	0	0	0	37,387
Total for Akzo Nobel Coatings Inc		18,268	140	18,408	0	0	18,408	0	0	0	0	0	107,602
ROANOKE (CITY)		ARDAGH METAL PACKAGING USA INC						5022 HOLLINS RD				NAICS Code	332431
CERTAIN GLYCOL ETHERS	N	0	3,300	3,300	0	0	3,300	0	0	179,000	179,000	0	7,440
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	95,600
COPPER	N	0	0	0	0	250	250	0	0	0	0	0	7,400
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	108,400
N-BUTYL ALCOHOL	N	0	11,600	11,600	0	0	11,600	0	0	640,000	640,000	0	16,300
Total for Ardagh Metal Packaging Usa Inc		0	14,900	14,900	0	250	15,150	0	0	819,000	819,000	0	235,140
ROANOKE (CITY)		CHEMSOLV INC						1140 INDUSTRY AVE SE				NAICS Code	424690
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	Y	0	0	0	0	0	0	0	0	0	0	0	0
BUTYL ACRYLATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
CYCLOHEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
DICHLOROMETHANE	N	996	0	996	0	0	996	0	0	0	0	0	0
DIETHANOLAMINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLENE GLYCOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
FORMALDEHYDE	Y	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	N	472	526	998	0	0	998	0	0	0	0	0	19
METHYL ISOBUTYL KETONE	Y	0	0	0	0	0	0	0	0	0	0	0	0

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
N-BUTYL ALCOHOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NITRIC ACID	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-METHYL-2-PYRROLIDONE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	N	213	388	601	0	0	601	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	N	63	51	114	0	0	114	0	0	0	0	0	0
Total for Chemsolv Inc		1,744	965	2,709	0	0	2,709	0	0	0	0	0	19
ROANOKE (CITY)		STEEL DYNAMICS INC ROANOKE BAR DIV						102 WESTSIDE BLVD				NAICS Code	331110
CHROMIUM COMPOUNDS(EXCEPT	N	13	35	48	0	0	48	0	0	0	0	0	59,157
COPPER COMPOUNDS	N	2	32	34	0	55	89	0	0	0	0	0	34,956
MANGANESE COMPOUNDS	N	133	962	1,095	0	0	1,095	0	0	0	0	0	395,065
NICKEL COMPOUNDS	N	1	4	5	0	0	5	0	0	0	0	0	3,652
ZINC COMPOUNDS	N	28	1,931	1,959	0	353	2,312	0	0	0	0	0	2,948,246
Total for Steel Dynamics Inc Roanoke Bar Div		177	2,964	3,141	0	408	3,549	0	0	0	0	0	3,441,076
Total for Above County : (33 reports)		20,189	18,969	39,158	0	658	39,816	0	0	819,000	819,000	0	3,783,837
ROCKBRIDGE		MODINE MANUFACTURING CO						1221 MAGNOLIA AVE				NAICS Code	333414
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	35,625
COPPER	N	8	31	39	0	1	39	0	0	0	0	2	1,960
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	5,225
Total for Modine Manufacturing Co		8	31	39	0	1	39	0	0	0	0	2	42,810
ROCKBRIDGE		MUNTERS						225 S MAGNOLIA AVE				NAICS Code	333415
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	50,309

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
COPPER	N	0	0	0	0	0	0	0	0	0	0	0	6,644
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	29,738
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	44,392
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	50,024
Total for Munters		0	0	0	0	0	0	0	0	0	0	0	181,107
ROCKBRIDGE	MUNTERS CORPORATION							43 DOUGLAS WAY				NAICS Code	333415
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	53
MANGANESE	N	0	0	0	0	0	0	0	0	0	0	0	106
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	121
Total for Munters Corporation		0	0	0	0	0	0	0	0	0	0	0	280
ROCKBRIDGE	STELLA JONES CORP-GOSHEN FACILITY							9223 MAURY RIVER RD				NAICS Code	321114
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
CREOSOTE	N	3,361	2,533	5,894	0	0	5,894	0	0	0	0	0	7,630
Total for Stella Jones Corp-Goshen Facility		3,361	2,533	5,894	0	0	5,894	0	0	0	0	0	7,630
Total for Above County : (13 reports)		3,369	2,564	5,933	0	1	5,933	0	0	0	0	2	231,827
ROCKINGHAM	CARGILL MEAT SOLUTIONS INC							135 HUFFMAN DR				NAICS Code	311615
AMMONIA	N	0	319	319	0	0	319	0	0	0	0	8,002	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	32,251	32,251	29,573	0
NITRIC ACID	N	0	0	0	0	0	0	0	0	23,906	23,906	0	0
PERACETIC ACID	N	0	0	0	0	0	0	0	0	151,921	151,921	0	0
Total for Cargill Meat Solutions Inc		0	319	319	0	0	319	0	0	208,078	208,078	37,575	0
ROCKINGHAM	GEORGE'S FOODS, LLC. PROCESSING PLANT							501 N LIBERTY ST				NAICS Code	311615

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
PERACETIC ACID	N	0	0	0	0	0	0	0	0	90,253	90,253	0	0
Total for George'S Foods, Llc. Processing Plant		0	0	0	0	0	0	0	0	90,253	90,253	0	0
ROCKINGHAM	LSC COMMUNICATIONS / HARRISONBURG N							2347 KRATZER RD				NAICS Code	323117
CERTAIN GLYCOL ETHERS	N	12,258	5,121	17,379	0	0	17,379	0	0	0	0	0	1,188
Total for Lsc Communications / Harrisonburg N		12,258	5,121	17,379	0	0	17,379	0	0	0	0	0	1,188
ROCKINGHAM	MERCK SHARP & DOHME CORP.							2778 SE SIDE HWY				NAICS Code	325412
ACETONITRILE	N	3,387	328	3,715	0	0	3,715	0	0	4,806	4,806	0	162,142
ETHYLENE GLYCOL	N	76	0	76	0	5,187	5,263	0	0	7,696	7,696	0	0
METHANOL	N	8,758	2,091	10,849	0	0	10,849	0	65,805	148,187	213,992	0	367,948
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	39,684	39,684	0	0
Total for Merck Sharp & Dohme Corp.		12,221	2,419	14,640	0	5,187	19,827	0	65,805	200,373	266,178	0	530,090
ROCKINGHAM	MILLERCOORS-SHENANDOAH							5135 S EASTSIDE HWY				NAICS Code	312120
AMMONIA	N	645	1,240	1,885	35,506	2,052	39,443	0	0	35,506	35,506	0	0
FORMIC ACID	N	0	0	0	0	0	0	0	0	16,930	16,930	0	0
NITRATE COMPOUNDS	N	615	0	615	2,129	5,145	7,889	0	0	0	0	0	0
Total for Millercoors-Shenandoah		1,260	1,240	2,500	37,635	7,197	47,332	0	0	52,436	52,436	0	0
ROCKINGHAM	PILGRIM'S PRIDE CORP BROADWAY FACILITY							330 CO-OP DR				NAICS Code	311615
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	30,913	30,913
PERACETIC ACID	N	0	0	0	0	0	0	0	0	120,996	120,996	0	0
Total for Pilgrim'S Pride Corp Broadway Facility		0	0	0	0	0	0	0	0	120,996	120,996	30,913	30,913
ROCKINGHAM	VALLEY PROTEINS INC LINVILLE FACILITY							6230 KRATZER RD				NAICS Code	311613
AMMONIA	N	0	1,170	1,170	2,482	0	3,652	0	0	33,957	33,957	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
CHLORINE DIOXIDE	N	0	0	0	14,839	0	14,839	0	0	0	0	0	0
Total for Valley Proteins Inc Linville Facility		0	1,170	1,170	17,321	0	18,491	0	0	33,957	33,957	0	0
ROCKINGHAM								410 S MAIN ST				NAICS Code	311119
COPPER COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
ZINC COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Vpgc Llc Broadway Feedmil		0	0	0	0	0	0	0	0	0	0	0	0
ROCKINGHAM								6349 RAWLEY PIKE HWY 33 WE				NAICS Code	311615
NITRATE COMPOUNDS	N	0	0	0	0	49,636	49,636	0	0	667,046	667,046	0	0
Total for Vpgc Llc Hinton Facility		0	0	0	0	49,636	49,636	0	0	667,046	667,046	0	0
ROCKINGHAM								6364 S VALLEY PIKE				NAICS Code	311511
AMMONIA	N	0	0	0	0	0	0	0	0	0	0	0	0
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	326,074
NITRIC ACID	N	0	0	0	0	0	0	0	0	362,304	362,304	0	0
Total for Wwf Operating Co		0	0	0	0	0	0	0	0	362,304	362,304	0	326,074
Total for Above County : (24 reports)		25,739	10,269	36,008	54,956	62,020	152,984	0	65,805	1,735,443	1,801,248	68,488	888,264
RUSSELL								58 SAMUEL WAY				NAICS Code	332420
CHROMIUM	N	6	0	6	0	5	11	0	0	0	0	0	2,813
MANGANESE	N	72	0	72	0	17	89	0	0	0	0	0	31,267
NICKEL	N	4	0	4	0	5	9	0	0	0	0	0	3,375
Total for Samuel Pressure Vessel Group - Lebanon		82	0	82	0	27	109	0	0	0	0	0	37,455
Total for Above County : (3 reports)		82	0	82	0	27	109	0	0	0	0	0	37,455

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
SALEM (CITY)	GE DRIVES & CONTROLS							1501 ROANOKE BLVD				NAICS Code	335314
COPPER	N	0	0	0	0	2	2	0	0	0	0	1	37,000
Total for Ge Drives & Controls		0	0	0	0	2	2	0	0	0	0	1	37,000
SALEM (CITY)	NOVOZYMES BIOLOGICALS INC							528 CHAPMAN ST				NAICS Code	325414
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	15
Total for Novozymes Biologicals Inc		0	0	0	0	0	0	0	0	0	0	0	15
SALEM (CITY)	QUALICHEM, INC PLANT 1							2003 SALEM INDUSTRIAL DR				NAICS Code	325998
2-PHENYLPHENOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
3-IODO-2-PROPYNYL BUTYLCARB	Y	0	0	0	0	0	0	0	0	0	0	0	0
CERTAIN GLYCOL ETHERS	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Qualichem, Inc Plant 1		0	0	0	0	0	0	0	0	0	0	0	0
SALEM (CITY)	QUALICHEM, INC. PLANT 2							510 BRANCH DR				NAICS Code	325998
HYDRAZINE	Y	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM NITRITE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Qualichem, Inc. Plant 2		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (7 reports)		0	0	0	0	2	2	0	0	0	0	1	37,015
SCOTT	TEMPUR PRODUCTION USA INC							203 TEMPURPEDIC DR				NAICS Code	337910
TOLUENE DIISOCYANATE (MIXED I	N	5	5	10	0	0	10	0	0	0	0	0	1,898
Total for Tempur Production Usa Inc		5	5	10	0	0	10	0	0	0	0	0	1,898
Total for Above County : (1 record)		5	5	10	0	0	10	0	0	0	0	0	1,898
SHENANDOAH	GEORGE'S CHICKEN LLC							19992 SENEDO RD				NAICS Code	311615

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Facility Name/Address													
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NITRATE COMPOUNDS	N	0	0	0	0	42,940	42,940	0	0	6,348,395	6,348,395	0	1,691
PERACETIC ACID	N	0	0	0	0	0	0	0	0	216,000	216,000	0	0
Total for George'S Chicken Llc		0	0	0	0	42,940	42,940	0	0	6,564,395	6,564,395	0	1,691
SHENANDOAH								574 DEPOT RD				NAICS Code	331420
COPPER	N	0	23	23	0	0	23	0	0	0	0	0	228,822
Total for Howell Metal Co		0	23	23	0	0	23	0	0	0	0	0	228,822
SHENANDOAH								ONE SHENANDOAH VALLEY DR				NAICS Code	323111
CERTAIN GLYCOL ETHERS	N	4,031	57	4,088	0	0	4,088	0	0	11,319	11,319	88	0
Total for Lsc Communications / Strasburg		4,031	57	4,088	0	0	4,088	0	0	11,319	11,319	88	0
SHENANDOAH								1325 INDUSTRIAL PARK RD				NAICS Code	337110
ETHYLBENZENE	N	373	4,081	4,454	0	0	4,454	0	0	6,476	6,476	0	6,853
TOLUENE	N	774	1,609	2,383	0	0	2,383	0	0	13,481	13,481	0	13,070
XYLENE (MIXED ISOMERS)	N	1,737	19,177	20,914	0	0	20,914	0	0	30,190	30,190	0	31,648
Total for Masco Cabinetry		2,884	24,867	27,751	0	0	27,751	0	0	50,147	50,147	0	51,571
SHENANDOAH								145 OLD EAST CROSS ROAD				NAICS Code	311615
NITRATE COMPOUNDS	N	0	0	0	0	62,600	62,600	0	0	196,900	196,900	170	260
Total for New Market Poultry Llc		0	0	0	0	62,600	62,600	0	0	196,900	196,900	170	260
Total for Above County : (8 reports)		6,915	24,947	31,862	0	105,540	137,402	0	0	6,822,761	6,822,761	258	282,344
SMYTH								4625 LEE HWY				NAICS Code	325998
N-BUTYL ALCOHOL	N	250	0	250	0	0	250	0	0	0	0	0	0
Total for Superior Carriers Inc		250	0	250	0	0	250	0	0	0	0	0	0
SMYTH								124 MOUNTAIN EMPIRE ROAD				NAICS Code	336212

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
CHROMIUM	N	0	6	6	0	0	6	0	0	0	0	0	122,789
DIISOCYANATES	N	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	19	19	0	0	19	0	0	0	0	0	75,187
NICKEL	N	0	2	2	0	0	2	0	0	0	0	0	39,351
Total for Utility Trailer Mfg. Co.		0	27	27	0	0	27	0	0	0	0	0	237,327
Total for Above County : (5 reports)		250	27	277	0	0	277	0	0	0	0	0	237,327
SOUTHAMPTON		ARKEMA INC FRANKLIN PLANT						27047 SHADY BROOK TRAIL				NAICS Code	325199
TERT-BUTYL ALCOHOL	N	250	250	500	0	0	500	0	0	0	0	0	113,250
Total for Arkema Inc Franklin Plant		250	250	500	0	0	500	0	0	0	0	0	113,250
SOUTHAMPTON		ATLANTIC POLE & PILING - NEWSOMS						21366 GENERAL THOMAS HWY				NAICS Code	321114
ARSENIC COMPOUNDS	N	0	0	0	0	8	8	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	9	9	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	0	0	0	4	4	0	0	0	0	0	0
Total for Atlantic Pole & Piling - Newsoms		0	0	0	0	21	21	0	0	0	0	0	0
SOUTHAMPTON		SOLENIS LLC						27123 SHADY BROOK TRAIL				NAICS Code	325199
1,2-DICHLOROPROPANE	N	3,298	504	3,802	0	46	3,848	0	0	0	0	0	200
HYDROCHLORIC ACID (1995 AND A	N	24,000	2,800	26,800	0	0	26,800	0	0	0	0	0	0
TRIETHYLAMINE	N	4,266	627	4,893	0	5	4,898	0	0	0	0	0	158,500
Total for Solenis Llc		31,564	3,931	35,495	0	51	35,546	0	0	0	0	0	158,700
Total for Above County : (7 reports)		31,814	4,181	35,995	0	72	36,067	0	0	0	0	0	271,950
SPOTSYLVANIA		CMC REBAR						9434 CROSSROADS PKWY				NAICS Code	332312
NICKEL COMPOUNDS	Y	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Cmc Rebar		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA	OLDCASTLE PRECAST INC							5115 MASSAPONAX CHURCH RD				NAICS Code	327390
MANGANESE COMPOUNDS	N	0	2	2	274	0	276	0	0	0	0	0	4,230
Total for Oldcastle Precast Inc		0	2	2	274	0	276	0	0	0	0	0	4,230
SPOTSYLVANIA	ONDULINE NA							4900 ONDURA DR				NAICS Code	324122
CERTAIN GLYCOL ETHERS	N	614	20,570	21,185	0	0	21,185	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	0	0	0	0	0	0	0	0	0	0	899
Total for Onduline Na		614	20,570	21,185	0	0	21,185	0	0	0	0	0	899
SPOTSYLVANIA	RUFFIN CREEK PROPERTIES LLC							10229 TIDEWATER TRAIL				NAICS Code	321114
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Ruffin Creek Properties Llc		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA	SPOTSYLVANIA PLANT							8520 INDIAN HILLS CT.				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Spotsylvania Plant		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA	VIRGINIA CONCRETE SPOTSYLVANIA PLANT							6110 SMITH STATION ROAD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	182	182	0	0	0	0	0	0
Total for Virginia Concrete Spotsylvania Plant		0	0	0	0	182	182	0	0	0	0	0	0
Total for Above County : (7 reports)		614	20,572	21,187	274	182	21,643	0	0	0	0	0	5,129
STAFFORD	COLONIAL CIRCUITS INC.							1026 WARRENTON RD				NAICS Code	334412
COPPER	N	0	0	0	0	0	0	0	0	0	0	12	1,320
Total for Colonial Circuits Inc.		0	0	0	0	0	0	0	0	0	0	12	1,320

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
STAFFORD	MAPEI CORP							300 NELMS CIR				NAICS Code	325520
LITHIUM CARBONATE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Mapei Corp		0	0	0	0	0	0	0	0	0	0	0	0
STAFFORD	U.S. DOJ FBI TRAINING ACADEMY							MCB-4 BUILDING 15-FMU				NAICS Code	921110
COPPER COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	16,175
Total for U.S. Doj Fbi Training Academy		5	5	10	0	0	10	0	0	0	0	0	16,175
Total for Above County : (3 reports)		5	5	10	0	0	10	0	0	0	0	12	17,495
SUFFOLK (CITY)	BASF CORP							2301 WILROY RD				NAICS Code	325199
ACRYLAMIDE	N	35	76	111	0	0	111	0	0	59,038	59,038	93,400	95,791
ACRYLIC ACID	N	120	73	193	0	0	193	0	0	45,000	45,000	2,360	2,747
ACRYLONITRILE	N	88	1,178	1,266	0	0	1,266	0	0	10,593	10,593	2	22
AMMONIA	N	20	4,103	4,123	0	0	4,123	0	0	1,611	1,611	1,585	2,315
ETHYL ACRYLATE	N	21	138	159	0	0	159	0	0	276	276	94	252
METHANOL	N	541	4,753	5,294	0	0	5,294	0	4,642,225	38,300	4,680,525	14,560	24,414
Total for Basf Corp		825	10,321	11,146	0	0	11,146	0	4,642,225	154,818	4,797,043	112,001	125,541
SUFFOLK (CITY)	CAMERON CHEMICAL INC.							830 OLD DILL RD.				NAICS Code	325314
COPPER COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
MANGANESE COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
ZINC COMPOUNDS	N	250	250	500	0	5	505	0	0	0	0	0	0
Total for Cameron Chemical Inc.		750	750	1,500	0	15	1,515	0	0	0	0	0	0
Total for Above County : (9 reports)		1,575	11,071	12,646	0	15	12,661	0	4,642,225	154,818	4,797,043	112,001	125,541

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
SUSSEX	MURPHY-BROWN LLC WAVERLY FEED MILL							27404 CABIN POINT RD				NAICS Code	311119
COPPER COMPOUNDS	N	0	3	3	0	0	3	0	0	0	0	0	5
ZINC (FUME OR DUST)	N	0	3	3	0	0	3	0	0	0	0	0	5
Total for Murphy-Brown Llc Waverly Feed Mill		0	6	6	0	0	6	0	0	0	0	0	10
Total for Above County : (2 reports)		0	6	6	0	0	6	0	0	0	0	0	10
VIRGINIA BEACH (CITY)	PAPCO INC							4920 SOUTHERN BLVD				NAICS Code	424710
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Papco Inc		0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	STIHL INC							536 VIKING DR				NAICS Code	333112
N-HEXANE	N	60	7,616	7,676	0	0	7,676	0	0	0	0	0	0
TOLUENE	N	30	3,808	3,838	0	0	3,838	0	0	0	0	0	0
Total for Stihl Inc		90	11,424	11,514	0	0	11,514	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	TITAN VIRGINIA READY-MIX LLC-LEESBURG PLANT							42105 COCHRAN MILL RD				NAICS Code	327320
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Leesburg Plant		0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	US NAVY NAVAL AIR STATION OCEANA BASE							1750 TOMCAT BLVD				NAICS Code	928110
NAPHTHALENE	N	102	571	673	0	1	674	0	0	833	833	0	0
Total for Us Navy Naval Air Station Oceana Base		102	571	673	0	1	674	0	0	833	833	0	0
Total for Above County : (6 reports)		192	11,995	12,187	0	1	12,188	0	0	833	833	0	0
WARREN	AXALTA COATING SYSTEMS USA LLC-FRONT ROYAL PLANT							7961 WINCHESTER RD				NAICS Code	325510

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
1,2,4-TRIMETHYLBENZENE	N	0	317	317	0	0	317	0	0	104	104	0	8,147
1,2-BUTYLENE OXIDE	N	0	0	0	0	0	0	0	0	0	0	0	0
ACRYLIC ACID	N	0	316	316	0	0	316	0	0	0	0	0	0
ACRYLONITRILE	N	1	0	1	0	0	1	0	0	0	0	0	0
BUTYL ACRYLATE	N	0	458	458	0	0	458	0	0	0	0	0	0
CERTAIN GLYCOL ETHERS	N	0	183	183	0	0	183	0	0	5	5	0	240
CHROMIUM COMPOUNDS(EXCEPT	N	0	1	1	0	0	1	0	0	0	0	0	0
CUMENE	N	0	17	17	0	0	17	0	0	6	6	0	28
CYCLOHEXANOL	N	0	27	27	0	0	27	0	0	0	0	0	0
DIISOCYANATES	N	0	514	514	0	0	514	0	0	0	0	0	210
ETHYL ACRYLATE	N	0	325	325	0	0	325	0	0	0	0	0	0
ETHYLBENZENE	N	13	3,050	3,063	0	0	3,063	0	0	783	783	0	25,913
METHANOL	N	187	1,885	2,072	0	0	2,072	0	0	0	0	0	0
METHYL ACRYLATE	N	0	314	314	0	0	314	0	0	0	0	0	1
METHYL ISOBUTYL KETONE	N	16	518	534	0	0	534	0	0	1,487	1,487	0	51
METHYL METHACRYLATE	N	0	6,139	6,139	0	0	6,139	0	0	0	0	0	10
NAPHTHALENE	N	164	60	224	0	0	224	0	0	0	0	0	0
N-BUTYL ALCOHOL	N	0	127	127	0	0	127	0	0	0	0	0	80
PHTHALIC ANHYDRIDE	N	0	55	55	0	0	55	0	0	0	0	0	671
STYRENE	N	0	996	996	0	0	996	0	0	0	0	0	10
TOLUENE	N	284	11,747	12,031	0	0	12,031	0	6,416,021	16,424	6,432,445	0	149,877
VANADIUM COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	6,798
XYLENE (MIXED ISOMERS)	N	41	7,253	7,294	0	0	7,294	0	6,529,559	3,118	6,532,677	0	136,756

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Chemical Name	form A*												
ZINC COMPOUNDS	N	0	18	18	0	0	18	0	0	0	0	0	2,739
Total for Axalta Coating Systems Usa Llc-Front Royal		706	34,322	35,028	0	0	35,028	0	12,945,580	21,927	12,967,507	0	331,531
WARREN													
INTERBAKE FOODS								200 BAKER PLAZA				NAICS Code	311812
SULFURIC ACID (1994 AND AFTER "	N	5	5	10	0	0	10	0	0	0	0	0	750
Total for Interbake Foods		5	5	10	0	0	10	0	0	0	0	0	750
WARREN													
QUARLES PETROLEUM INC. FRONT ROYAL BULK PLANT								195 COMMERCE AVE				NAICS Code	424710
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
ETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
TOLUENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
XYLENE (MIXED ISOMERS)	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Quarles Petroleum Inc. Front Royal Bulk Pla		0	0	0	0	0	0	0	0	0	0	0	0
WARREN													
RPS COMPOSITES VIRGINIA, INC.								211 E 4TH ST				NAICS Code	326199
STYRENE	N	6,477	200	6,677	0	0	6,677	0	0	0	0	0	0
Total for Rps Composites Virginia, Inc.		6,477	200	6,677	0	0	6,677	0	0	0	0	0	0
WARREN													
TORAY PLASTICS (AMERICA) INC								500 TORAY DR				NAICS Code	326150
NITRATE COMPOUNDS	N	0	0	0	0	0	0	0	140,395	0	140,395	0	6,191
NITRIC ACID	N	0	0	0	0	0	0	0	0	0	0	0	0
SODIUM NITRITE	N	0	0	0	0	0	0	0	250,994	0	250,994	0	9,739
Total for Toray Plastics (America) Inc		0	0	0	0	0	0	0	391,389	0	391,389	0	15,930
Total for Above County : (35 reports)		7,188	34,527	41,715	0	0	41,715	0	13,336,969	21,927	13,358,896	0	348,211

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Chemical Name	form A*												
WASHINGTON	AGC FLAT GLASS NA ABINGDON PLANT							18370 OAK PARK DR				NAICS Code	327215
SILVER	N	5	5	10	0	0	10	0	0	0	0	0	22,069
ZINC COMPOUNDS	N	5	5	10	0	0	10	0	0	0	0	0	10,422
Total for Agc Flat Glass Na Abingdon Plant		10	10	20	0	0	20	0	0	0	0	0	32,491
WASHINGTON	APPALACHIAN PLASTICS INC.							34001 GLOVE DR				NAICS Code	326199
METHYL METHACRYLATE	N	1,363	4,088	5,451	0	0	5,451	0	0	0	0	0	0
STYRENE	N	9,379	28,136	37,515	0	0	37,515	0	0	0	0	0	0
Total for Appalachian Plastics Inc.		10,742	32,224	42,966	0	0	42,966	0	0	0	0	0	0
WASHINGTON	AZZ GALVANIZING-BRISTOL							14781 INDUSTRIAL PARK RD				NAICS Code	332812
ZINC COMPOUNDS	N	994	0	994	0	86	1,080	0	0	0	0	0	269,887
Total for Azz Galvanizing-Bristol		994	0	994	0	86	1,080	0	0	0	0	0	269,887
WASHINGTON	HAPCO							26252 HILLMAN HIGHWAY				NAICS Code	332312
ALUMINUM (FUME OR DUST)	N	5,992	11,985	17,977	0	0	17,977	0	0	0	0	0	667,739
ZINC (FUME OR DUST)	N	1,504	3,007	4,511	0	0	4,511	0	0	0	0	0	77,999
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Hapco		7,496	14,992	22,488	0	0	22,488	0	0	0	0	0	745,738
WASHINGTON	MXI ENVIRONMENTAL SERVICES, LLC							26319 OLD TRAIL RD (ST RTE 679)				NAICS Code	562111
METHANOL	N	250	0	250	0	0	250	0	0	0	0	0	0
Total for Mxi Environmental Services, Llc		250	0	250	0	0	250	0	0	0	0	0	0
WASHINGTON	STRONGWELL CORP HIGHLANDS DIV							26770 NEWBANKS RD				NAICS Code	326199
ANTIMONY COMPOUNDS	N	0	62	62	0	0	62	0	0	0	0	0	0
STYRENE	N	6,160	0	6,160	0	0	6,160	0	0	1	1	0	220

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

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*** BAE SYSTEMS, ORDINANCE SYSTEMS INC. AND RADFORD ARMY AMMUNITION ARE THE SAME FACILITY, REPORTING UNDER TWO SEPERATE IDs THE SUMMARY REPORT REFLECTS ONLY ONE SET OF DATA VALUES FOR TOTALS.

2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
Total for Strongwell Corp Highlands Div		6,160	62	6,222	0	0	6,222	0	0	1	1	0	220
WASHINGTON	STRONGWELL CORPORATION-BRISTOL							400 COMMONWEALTH AVE.				NAICS Code	326199
ANTIMONY	N	0	173	173	0	0	173	0	0	0	0	0	0
STYRENE	N	35,300	0	35,300	0	0	35,300	0	0	2	2	0	2,780
Total for Strongwell Corporation-Bristol		35,300	173	35,473	0	0	35,473	0	0	2	2	0	2,780
WASHINGTON	UTILITY TRAILER MANUFACTURING CO							13160 MONROE RD				NAICS Code	336212
CHROMIUM	N	0	4	4	0	0	4	0	0	0	0	0	26,491
DIISOCYANATES	Y	0	0	0	0	0	0	0	0	0	0	0	0
MANGANESE	N	0	13	13	0	0	13	0	0	0	0	0	19,276
NICKEL	N	0	1	1	0	0	1	0	0	0	0	0	7,396
Total for Utility Trailer Manufacturing Co		0	18	18	0	0	18	0	0	0	0	0	53,163
WASHINGTON	W&W-AFCO STEEL LLC							15083 INDUSTRIAL PARK RD				NAICS Code	332312
MANGANESE	N	0	2	2	0	0	2	0	0	0	0	0	32,007
Total for W&W-Afco Steel Llc		0	2	2	0	0	2	0	0	0	0	0	32,007
WASHINGTON	ZENITH FUEL SYSTEMS LLC							14570 INDUSTRIAL PARK RD				NAICS Code	336310
ZINC COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	154
Total for Zenith Fuel Systems Llc		0	0	0	0	0	0	0	0	0	0	0	154
Total for Above County : (19 reports)		60,952	47,481	108,433	0	86	108,518	0	0	3	3	0	1,136,441
WESTMORELAND	CARRY-ON TRAILER CORP							159 INDUSTRIAL PARK RD				NAICS Code	336212
1,2,4-TRIMETHYLBENZENE	N	0	10,509	10,509	0	0	10,509	0	0	7,172	7,172	0	628
CERTAIN GLYCOL ETHERS	N	0	5,371	5,371	0	0	5,371	0	0	11,003	11,003	0	566
CHROMIUM	N	6	0	6	0	0	6	0	0	0	0	0	486

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
MANGANESE	N	95	0	95	0	0	95	0	0	0	0	0	1,368
NICKEL	N	6	0	6	0	0	6	0	0	0	0	0	443
Total for Carry-On Trailer Corp		107	15,880	15,987	0	0	15,987	0	0	18,175	18,175	0	3,491
WESTMORELAND	POTOMAC SUPPLY LLC							1398 KINSALE RD				NAICS Code	321114
COPPER COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
METHANOL	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Potomac Supply Llc		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (7 reports)		107	15,880	15,987	0	0	15,987	0	0	18,175	18,175	0	3,491
WINCHESTER (CITY)	O'SULLIVAN FILMS INC							1944 VALLEY AVE				NAICS Code	326113
ANTIMONY COMPOUNDS	N	11	62	72	0	0	72	0	0	0	0	0	68
BARIUM COMPOUNDS	N	6	32	38	0	0	38	0	0	0	0	0	15
DI(2-ETHYLHEXYL) PHTHALATE	N	39	222	261	0	0	261	0	0	0	0	0	0
ETHYLBENZENE	N	0	147	147	0	0	147	0	0	16,919	16,919	0	1,272
METHYL ISOBUTYL KETONE	N	0	3,560	3,560	0	0	3,560	0	0	344,630	344,630	0	25,955
N,N-DIMETHYLFORMAMIDE	N	0	1,951	1,951	0	0	1,951	0	0	215,938	215,938	0	16,242
N-METHYL-2-PYRROLIDONE	N	424	8,477	8,900	0	0	8,900	0	0	0	0	0	1,621
TOLUENE	N	0	5,004	5,004	0	0	5,004	0	0	603,977	603,977	0	45,396
XYLENE (MIXED ISOMERS)	N	0	729	729	0	0	729	0	0	84,018	84,018	0	6,317
ZINC COMPOUNDS	N	9	52	61	0	0	61	0	0	0	0	22	51
Total for O'Sullivan Films Inc		489	20,236	20,725	0	0	20,725	0	0	1,265,483	1,265,483	22	96,938
Total for Above County : (10 reports)		489	20,236	20,725	0	0	20,725	0	0	1,265,483	1,265,483	22	96,938
WISE	VIRGINIA CITY HYBRID ENERGY CENTER							3425 RUSSELL CREEK RD				NAICS Code	221112

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
AMMONIA	N	0	124,000	124,000	0	5	124,005	0	0	0	0	0	0
ARSENIC COMPOUNDS	N	0	49	49	28,400	0	28,449	0	0	0	0	0	0
BARIUM COMPOUNDS	N	0	364	364	268,000	6	268,370	0	0	0	0	0	0
CHROMIUM COMPOUNDS(EXCEPT	N	0	66	66	49,400	0	49,466	0	0	0	0	0	0
COPPER COMPOUNDS	N	0	106	106	54,700	0	54,806	0	0	0	0	0	0
HYDROCHLORIC ACID (1995 AND A	N	0	42,200	42,200	0	0	42,200	0	0	2,070,000	2,070,000	0	0
HYDROGEN FLUORIDE	N	0	453	453	0	0	453	0	0	258,000	258,000	0	0
MANGANESE COMPOUNDS	N	0	3,480	3,480	94,300	4	97,784	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
NICKEL COMPOUNDS	N	0	99	99	48,700	0	48,799	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	10,700	10,700	0	0	10,700	0	0	744,000	744,000	0	0
VANADIUM COMPOUNDS	N	0	2	2	103,000	0	103,002	0	0	0	0	0	0
ZINC COMPOUNDS	N	0	899	899	66,100	2	67,001	0	0	0	0	0	0
Total for Virginia City Hybrid Energy Center		0	182,418	182,418	712,600	18	895,036	0	0	3,072,000	3,072,000	0	0
Total for Above County : (15 reports)		0	182,418	182,418	712,600	18	895,036	0	0	3,072,000	3,072,000	0	0
WYTHE													
HUTCHINSON SEALING SYSTEMS INC												NAICS Code	326291
1150 S THIRD ST													
ZINC COMPOUNDS	N	27	677	704	0	0	704	0	0	0	0	1	12,218
Total for Hutchinson Sealing Systems Inc		27	677	704	0	0	704	0	0	0	0	1	12,218
Total for Above County : (1 record)		27	677	704	0	0	704	0	0	0	0	1	12,218
YORK													
AFETA CAMP PEARY												NAICS Code	928110
1100 EXECUTIVE DRIVE													

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2018 Toxics Release Inventory

Appendix F

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
COPPER	Y	0	0	0	0	0	0	0	0	0	0	0	0
Total for Afeta Camp Peary		0	0	0	0	0	0	0	0	0	0	0	0
YORK		EATON CORPORATION - WILLIAMSBURG MANUFACTURING						149 WARWICK COURT				NAICS Code	335999
CHROMIUM	N	0	0	0	0	0	0	0	0	0	0	0	32,016
NICKEL	N	0	0	0	0	0	0	0	0	0	0	0	21,010
Total for Eaton Corporation - Williamsburg Manufactu		0	0	0	0	0	0	0	0	0	0	0	53,026
YORK		US NAVY NWSY DEFENSE FUEL SUPPLY POINT YORKTOWN						FUEL FARM RD				NAICS Code	928110
NAPHTHALENE	N	4	114	118	0	0	118	0	0	12,230	12,230	0	0
Total for Us Navy Nwsy Defense Fuel Supply Point Y		4	114	118	0	0	118	0	0	12,230	12,230	0	0
YORK		YORKTOWN POWER STATION						1600 WATERVIEW RD				NAICS Code	221112
1,2,4-TRIMETHYLBENZENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
BARIUM COMPOUNDS	N	0	38	38	4,400	17,300	21,738	0	0	0	0	0	3,860
HYDROCHLORIC ACID (1995 AND A	N	0	197,000	197,000	0	0	197,000	0	0	0	0	0	0
NAPHTHALENE	Y	0	0	0	0	0	0	0	0	0	0	0	0
N-HEXANE	Y	0	0	0	0	0	0	0	0	0	0	0	0
SULFURIC ACID (1994 AND AFTER "	N	0	43,300	43,300	0	0	43,300	0	0	135,000	135,000	0	0
VANADIUM COMPOUNDS	N	0	427	427	5,290	0	5,717	0	0	0	0	0	15,220
Total for Yorktown Power Station		0	240,765	240,765	9,690	17,300	267,755	0	0	135,000	135,000	0	19,080
Total for Above County : (11 reports)		4	240,879	240,883	9,690	17,300	267,873	0	0	147,230	147,230	0	72,106

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**Appendix G - 2018 Summary of Facilities, Chemical
Releases, Transfers and Management (PBT)**

Appendix G: 2018 Summary of Facilities, Chemical Releases, Transfers, and Management (PBT)
Alphabetical Listing by Facility
Within Each County/Independent City

2018 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address							Total On-Site Releases				Total On-Site Management	POTW	Total Other Off-Site Transfers **
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	(pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	(pounds)	(pounds)	(pounds)
ACCOMACK	PERDUE FARMS ACCOMAC PROCESSING PLANT							22520 LANKFORD HWY				NAICS Code	311615
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Perdue Farms Accomac Processing Plant		0	0	0	0	0	0	0	0	0	0	0	0
ACCOMACK	U.S. NASA GSFC WALLOPS FLIGHT FACILITY							34200 FULTON STREET				NAICS Code	927110
LEAD COMPOUNDS	N	0	110	110	0	7	117	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	363	0	363	0	0
Total for U.S. Nasa Gsfrc Wallops Flight Facility		0	110	110	0	7	117	0	363	0	363	0	0
Total for Above County : (4 records)		0	110	110	0	7	117	0	363	0	363	0	0
ALBEMARLE	INTELLIGENT PLATFORMS, LLC							2500 AUSTIN DRIVE				NAICS Code	334513
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	430
Total for Intelligent Platforms, Llc		0	1	1	0	0	1	0	0	0	0	0	430
ALBEMARLE	NORTHROP GRUMMAN SYSTEMS CORPORATION							1070 SEMINOLE TRAIL				NAICS Code	334511
LEAD	N	0	0	0	0	0	0	0	0	0	0	1	130
Total for Northrop Grumman Systems Corporation		0	0	0	0	0	0	0	0	0	0	1	130
ALBEMARLE	S.L. WILLIAMSON CO. INC. SHOP							1230 RIVER ROAD				NAICS Code	324121
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for S.L. Williamson Co. Inc. Shop		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	1	1	0	0	1	0	0	0	0	1	560
ALEXANDRIA (CITY)	VIRGINIA PAVING ALEXANDRIA PLANT							5601 COURTNEY AVENUE				NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0

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2018 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
POLYCYCLIC AROMATIC COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for Virginia Paving Alexandria Plant		1	0	1	0	0	1	0	0	0	0	0	0
Total for Above County : (2 records)		1	0	1	0	0	1	0	0	0	0	0	0
AMHERST								275 FRANCIS AVE				NAICS Code	332312
LEAD	N	0	0	0	0	1	1	0	0	0	0	0	0
Total for Cooper Steel		0	0	0	0	1	1	0	0	0	0	0	0
AMHERST								861 FIBRE PLANT RD				NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	5	5	0	0	5	0	0	0	0	0	0
Total for Greif Packaging Llc		0	5	5	0	0	5	0	0	0	0	0	0
Total for Above County : (3 records)		0	5	5	0	1	6	0	0	0	0	0	0
ARLINGTON								2 N ROTARY RD				NAICS Code	928110
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	133
LEAD COMPOUNDS	N	0	284	284	0	0	284	0	0	0	0	0	46
Total for Pentagon Reservation		0	285	285	0	0	285	0	0	0	0	0	179
ARLINGTON								204 LEE AVE				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Us Army Joint Base Myer-Henderson Hall		0	0	0	0	0	0	0	0	0	0	0	0
ARLINGTON								2651 SHIRLINGTON ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Shirlington Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		0	285	285	0	0	285	0	0	0	0	0	179
AUGUSTA								56 DUNSMORE RD				NAICS Code	331524
LEAD	N	0	4	4	0	0	4	0	0	0	0	0	71
Total for Ball Advanced Aluminum Technologies C		0	4	4	0	0	4	0	0	0	0	0	71

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2018 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
AUGUSTA	FLINT GROUP NA CORP							106 TRIANGLE DR				NAICS Code	325910
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Flint Group Na Corp		0	0	0	0	0	0	0	0	0	0	0	0
AUGUSTA	NIBCO OF VIRGINIA INC.							131 JOHNSON DRIVE				NAICS Code	332112
LEAD	N	0	0	0	0	1	1	0	0	0	0	1	458
Total for Nibco Of Virginia Inc.		0	0	0	0	1	1	0	0	0	0	1	458
AUGUSTA	TAYLOR & BOODY INC.							8 HEWITT RD				NAICS Code	339992
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for Taylor & Boody Inc.		0	1	1	0	0	1	0	0	0	0	0	0
Total for Above County : (4 records)		0	4	4	0	1	5	0	0	0	0	1	529
BEDFORD	CUSTOM TRUCK ONE SOURCE							12660 E LYNCHBURG SALEM TPKE				NAICS Code	333120
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	87
Total for Custom Truck One Source		0	0	0	0	0	0	0	0	0	0	0	87
BEDFORD	GEORGIA-PACIFIC BIG ISLAND MILL							9363 LEE-JACKSON HWY				NAICS Code	322121
LEAD COMPOUNDS	N	0	61	61	0	144	1,148	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	3	6	0	0	0	0	0	0
Total for Georgia-Pacific Big Island Mill		0	63	63	0	147	1,154	0	0	0	0	0	0
BEDFORD	WHEELABRATOR ABRASIVES INC							1 ABRASIVE AVE				NAICS Code	327910
LEAD	N	0	0	0	0	0	68	0	0	0	0	0	42,127
Total for Wheelabrator Abrasives Inc		0	0	0	0	0	68	0	0	0	0	0	42,127
Total for Above County : (4 records)		0	63	63	0	147	1,222	0	0	0	0	0	42,214
BOTETOURT	METALSA ROANOKE INC.							184 VISTA DR				NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	695
Total for Metalsa Roanoke Inc.		0	0	0	0	0	0	0	0	0	0	0	695

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2018 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
BOTETOURT	ROANOKE CEMENT CO LLC							6071 CATAWBA RD				NAICS Code	327310
LEAD COMPOUNDS	N	3	40	44	0	0	111	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	44	44	0	0	44	0	0	0	0	0	0
Total for Roanoke Cement Co Llc		3	84	88	0	0	154	0	0	0	0	0	0
Total for Above County : (3 records)		3	84	88	0	0	154	0	0	0	0	0	695
BRISTOL (CITY)	ASSOCIATED ASPHALT BRISTOL, LLC							10 SPURGEON LANE				NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	14	14	0	0	14	0	0	0	0	0	0
Total for Associated Asphalt Bristol, Llc		0	14	14	0	0	14	0	0	0	0	0	0
Total for Above County : (2 records)		0	14	14	0	0	14	0	0	0	0	0	0
BUCHANAN	JEWELL COKE CO LP							1034 DISMAL RIVER RD				NAICS Code	331110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	4,480	4,480	0	0	4,480	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	87	87	0	0	87	0	0	0	0	0	0
Total for Jewell Coke Co Lp		0	4,566	4,566	0	0	4,566	0	0	0	0	0	0
Total for Above County : (3 records)		0	4,566	4,566	0	0	4,566	0	0	0	0	0	0
BUCKINGHAM	KYANITE MINING CORP MULLITE PLANT							5836 BUFFALO ROAD				NAICS Code	212325
POLYCYCLIC AROMATIC COMPOU	N	28	0	28	0	0	28	0	0	0	0	0	0
Total for Kyanite Mining Corp Mullite Plant		28	0	28	0	0	28	0	0	0	0	0	0
Total for Above County : (1 record)		28	0	28	0	0	28	0	0	0	0	0	0
BUENA VISTA (CITY)	EVERBRITE LLC							627 E 30TH ST				NAICS Code	339950
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	149
Total for Everbrite Llc		0	1	1	0	0	1	0	0	0	0	0	149
Total for Above County : (1 record)		0	1	1	0	0	1	0	0	0	0	0	149
CAMPBELL	BANKER STEEL COMPANY, LLC							351 RANGOON ROAD				NAICS Code	332312

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Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	2,238
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	0	0	0	0	2,238
CAMPBELL		BWXT NUCLEAR OPERATIONS GROUP, INC.						1570 MOUNT ATHOS RD				NAICS Code	332410
LEAD COMPOUNDS	N	0	0	0	3,621	4	3,625	0	0	0	0	0	4
Total for Bwxt Nuclear Operations Group, Inc.		0	0	0	3,621	4	3,625	0	0	0	0	0	4
CAMPBELL		GEORGIA-PACIFIC WOOD PRODUCTS LLC - BROOKNEAL OSB						11795 BROOKNEAL HIGHWAY				NAICS Code	321219
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	100
Total for Georgia-Pacific Wood Products Llc - Bro		0	5	5	0	0	5	0	0	0	0	0	100
CAMPBELL		SCHRADER-BRIDGEPORT INTERNATIONAL						205 FRAZIER RD				NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	82,604
Total for Schrader-Bridgeport International		0	0	0	0	0	0	0	0	0	0	0	82,604
Total for Above County : (5 records)		0	5	5	3,621	4	3,630	0	0	0	0	0	84,946
CAROLINE		ANCHOR AN OLDCASTLE CO						16326 IND US TRIAL DR				NAICS Code	327999
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Anchor An Oldcastle Co		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE		LADYSMITH COMBUSTION TURBINE STATION						8063 CEDON RD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Ladysmith Combustion Turbine Station		0	0	0	0	0	0	0	0	0	0	0	0
CAROLINE		US ARMY FORT AP HILL GARRISON (PART)						19952 N RANGE RD				NAICS Code	928110
LEAD COMPOUNDS	N	285	0	285	0	2,531	53,348	0	0	0	0	0	7,099
Total for Us Army Fort Ap Hill Garrison (Part)		285	0	285	0	2,531	53,348	0	0	0	0	0	7,099
Total for Above County : (3 records)		285	0	285	0	2,531	53,349	0	0	0	0	0	7,099
CARROLL		VAUGHAN-BASSETT FURNITURE CO. GALAX						300 E GRAYSON ST				NAICS Code	337122

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for Vaughan-Bassett Furniture Co. Galax		0	2	2	0	0	2	0	0	0	0	0	0
Total for Above County : (1 record)		0	2	2	0	0	2	0	0	0	0	0	0
CHARLOTTE		MORGAN LUMBER COMPANY, INC.						628 JEB STUART HIGHWAY				NAICS Code	321113
LEAD COMPOUNDS	N	0	15	15	402	0	417	0	0	0	0	0	0
Total for Morgan Lumber Company, Inc.		0	15	15	402	0	417	0	0	0	0	0	0
Total for Above County : (1 record)		0	15	15	402	0	417	0	0	0	0	0	0
CHESAPEAKE (CITY)		CONCRETE PIPE & PRECAST LLC CHESAPEAKE PLANT						3801 COOK BLVD				NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Concrete Pipe & Precast Llc Chesapeake		0	0	0	0	0	0	0	0	0	0	0	0
CHESAPEAKE (CITY)		ELIZABETH RIVER COMBUSTION TURBINE STATION						2837 S MILITARY HWY				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Elizabeth River Combustion Turbine Stati		0	0	0	0	0	0	0	0	0	0	0	0
CHESAPEAKE (CITY)		SAFETY-KLEEN SYSTEMS CHESAPEAKE (CPK)						4545 BAINBRIDGE BLVD				NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	15
Total for Safety-Kleen Systems Chesapeake (Cpk)		0	0	0	0	0	0	0	0	0	0	0	15
CHESAPEAKE (CITY)		US/NAVY NAVAL SUPPORT ACTIVITY NORTHWEST ANNEX RANGE						1320 NW BLVD SUITE 100				NAICS Code	928110
LEAD	N	0	0	0	0	0	22,184	0	0	0	0	0	0
Total for Us/Navy Naval Support Activity Northwest		0	0	0	0	0	22,184	0	0	0	0	0	0
Total for Above County : (4 records)		0	0	0	0	0	22,184	0	0	0	0	0	15
CHESTERFIELD		ALERIS ROLLED PRODUCTS INC						1701 REYMET RD				NAICS Code	331314
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	1	0	0	1	0	0	0	0	0	62
Total for Aleris Rolled Products Inc		0	0	1	0	0	1	0	0	0	0	0	62

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
CHESTERFIELD	CHESTERFIELD POWER STATION							500 COXENDALE RD				NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	87	87	0	27	11,515	0	0	0	0	0	1,610
MERCURY COMPOUNDS	N	0	8	8	0	0	150	0	0	0	0	0	20
POLYCYCLIC AROMATIC COMPOU	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for Chesterfield Power Station		0	97	97	0	27	11,666	0	0	0	0	0	1,630
CHESTERFIELD	KAISER ALUMINUM FABRICATED PRODUCTS LLC							1901 REYMET RD				NAICS Code	331318
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	619
Total for Kaiser Aluminum Fabricated Products Llc		0	0	0	0	0	0	0	0	0	0	0	619
CHESTERFIELD	MECHANICSVILLE CONCRETE LLC-CHESTERFIELD PLANT							3501 WARBRO RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Mechanicsville Concrete Llc-Chesterfield		0	0	0	0	0	0	0	0	0	0	0	0
CHESTERFIELD	SAFETY-KLEEN SYSTEMS CHESTER (CVA)							1200 W 100 RD				NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	134
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	388
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	976
Total for Safety-Kleen Systems Chester (Cva)		0	0	0	0	0	0	0	0	0	0	0	1,498
CHESTERFIELD	TCS MATERIALS CHESTER PLANT							12020 OLD STAGE ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Tcs Materials Chester Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (12 records)		0	97	97	0	27	11,666	0	0	0	0	0	3,809
COVINGTON (CITY)	INGEVITY VIRGINIA CORPORATION							958 E RIVERSIDE ST				NAICS Code	325998
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Ingevity Virginia Corporation		0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
COVINGTON (CITY) WESTROCK VIRGINIA CORP (ENTIRE)								104 E. RIVERSIDE STREET				NAICS Code	322130
BENZO(G,H,I)PERYLENE	N	0	4	4	0	0	9	0	0	0	0	0	0
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	130	130	0	91	12,221	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	26	26	0	1	51	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	370	370	0	0	422	0	0	0	0	0	0
Total for Westrock Virginia Corp (Entire)		0	529	529	0	92	12,703	0	0	0	0	0	0
Total for Above County : (6 records)		0	529	529	0	92	12,703	0	0	0	0	0	0
CULPEPER BINGHAM & TAYLOR								601 NALLE PL				NAICS Code	331511
LEAD	N	0	31	31	0	0	31	0	0	0	0	0	792
Total for Bingham & Taylor		0	31	31	0	0	31	0	0	0	0	0	792
CULPEPER BRANTNER & ASSOCIATES INC, DBA TE CONNECTIVITY MOG								751 OLD BRANDY RD				NAICS Code	331491
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	93
Total for Brantner & Associates Inc, Dba Te Conne		0	0	0	0	0	0	0	0	0	0	0	93
Total for Above County : (2 records)		0	31	31	0	0	31	0	0	0	0	0	885
DANVILLE (CITY) EIT SOUTH								350 SLAYTON AVENUE				NAICS Code	334111
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	78
Total for Eit South		0	0	0	0	0	0	0	0	0	0	0	78
DANVILLE (CITY) THE GOODYEAR TIRE & RUBBER CO.								1901 GOODYEAR BLVD				NAICS Code	326211
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	9	195
POLYCYCLIC AROMATIC COMPOU	N	0	4	4	0	0	4	0	0	0	0	0	650
Total for The Goodyear Tire & Rubber Co.		0	7	7	0	0	7	0	0	0	0	9	845
Total for Above County : (3 records)		0	7	7	0	0	7	0	0	0	0	9	923
DINWIDDIE CHAPARRAL (VA) INC								25801 HOFHEIMER WAY				NAICS Code	331110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*												
LEAD COMPOUNDS	N	80	10	90	0	0	90	0	0	0	0	0	212,096
MERCURY COMPOUNDS	N	0	172	172	0	0	172	0	0	0	0	0	91
Total for Chaparral (Va) Inc		80	182	262	0	0	262	0	0	0	0	0	212,187
DINWIDDIE	TMS INTERNATIONAL, LLC							25805	HOFHEIMER WAY			NAICS Code	562920
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Tms International, Llc		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (4 records)		80	182	262	0	0	262	0	0	0	0	0	212,187
FAIRFAX	BREN MAR							6315	BREN MAR DR			NAICS Code	922120
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Bren Mar		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX	NEWINGTON CONCRETE PLANT							8413	TERMINAL RD			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Newington Concrete Plant		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX	SUPERIOR CONCRETE MATERIALS INC. - LORTON							8420	TERMINAL RD			NAICS Code	327320
LEAD	N	4	0	4	0	0	4	0	0	0	0	0	0
Total for Superior Concrete Materials Inc. - Lorton		4	0	4	0	0	4	0	0	0	0	0	0
FAIRFAX	TITAN VIRGINIA READY-MIX LLC-CENTREVILLE PLANT							15718	LEE HIGHWAY			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Centreville Pl		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX	TITAN VIRGINIA READY-MIX LLC-SPRINGFIELD PLANT							6600	ELECTRONIC DR			NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Springfield Pl		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX	VIRGINIA CONCRETE EDSALL ROAD PLANT							5412	INDUSTRIAL DR			NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Virginia Concrete Edsall Road Plant		0	0	0	0	0	0	0	0	0	0	0	0
FAIRFAX		VIRGINIA PAVING COMPANY OCCOQUAN PLANT						10000 OX RD				NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	1	0	0	1	0	0	0	0	0	0
Total for Virginia Paving Company Occoquan Plant		0	0	1	0	0	1	0	0	0	0	0	0
Total for Above County : (8 records)		5	0	5	0	0	5	0	0	0	0	0	0
FAIRFAX (CITY)		MOTIVA FAIRFAX TERMINAL						3800 PICKETT RD				NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Motiva Fairfax Terminal		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	0	0	0	0	0	0	0	0	0	0	0
FALLS CHURCH (CITY)		VIRGINIA CONCRETE FALLS CHURCH PLANT						7103 GORDON RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Falls Church Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
FAUQUIER		CHEMETRICS INC						4295 CATLETT RD				NAICS Code	325998
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	15
Total for Chemetrics Inc		0	0	0	0	0	0	0	0	0	0	0	15
FAUQUIER		OLD DOMINION ELECTRIC CO-OP MARSH RUN GENERATION FACIL						12109 LUCKY HILL RD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	26	26	0	0	26	0	0	0	0	0	0
Total for Old Dominion Electric Co-Op Marsh Run		0	26	26	0	0	26	0	0	0	0	0	0
FAUQUIER		REMINGTON POWER STATION						12025 LUCKY HILL ROAD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Remington Power Station		0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
FAUQUIER	US DOD WARRENTON TRAINING CENTER STATION B							7472 BEAR WALLOW RD				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	4,701
Total for Us Dod Warrenton Training Center Statio		0	0	0	0	0	0	0	0	0	0	0	4,701
FAUQUIER	US DOD WARRENTON TRAINING CENTER STATION C RANGE							7248 SUMERDUCK RD				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	830
Total for Us Dod Warrenton Training Center Statio		0	0	0	0	0	0	0	0	0	0	0	830
Total for Above County : (5 records)		0	26	26	0	0	26	0	0	0	0	0	5,545
FREDERICK	O-N MINERALS (CHEMSTONE) WINCHESTER LIME PLANT							508 QUARRY LN				NAICS Code	327410
LEAD COMPOUNDS	N	0	0	0	0	0	152	0	0	0	0	0	0
Total for O-N Minerals (Chemstone) Winchester Li		0	0	0	0	0	152	0	0	0	0	0	0
FREDERICK	TITAN VIRGINIA READY-MIX LLC-CLEAR BROOK PLANT							1383 BRUCETOWN RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Clear Brook		0	0	0	0	0	0	0	0	0	0	0	0
FREDERICK	VIRGINIA CONCRETE - STEPHENS CITY							339 ESTEP ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete - Stephens City		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	0	0	0	0	152	0	0	0	0	0	0
GALAX (CITY)	GUARDIAN FABRICATION, LLC - PLANT 2							110 JACK GUYNN DR				NAICS Code	327215
LEAD	N	0	0	0	0	0	0	0	0	0	0	1	136
Total for Guardian Fabrication, Llc - Plant 2		0	0	0	0	0	0	0	0	0	0	1	136
GALAX (CITY)	WEBB ENTERPRISES LLC AMERICAN MIRROR							602 E STUART DR				NAICS Code	327215
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Webb Enterprises Llc American Mirror		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	1	136

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Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
GILES CELANESE ACETATE LLC - CELCO P LANT								3520 VIRGINIA AVE				NAICS Code	325220
MERCURY	N	0	2	2	0	0	2	0	0	0	0	0	86
POLYCHLORINATED BIPHENYLS	N	0	0	0	0	0	0	0	0	0	0	0	48
Total for Celanese Acetate Llc - Celco P Lant		0	2	2	0	0	2	0	0	0	0	0	133
GILES LHOIST NA OF VIRGINIA INC KIMBALLTON AREA 1								2093 BIG STONY CREEK RD				NAICS Code	327410
LEAD COMPOUNDS	N	0	1	1	0	0	1,548	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	5	5	0	0	18	0	0	0	0	0	0
Total for Lhoist Na Of Virginia Inc Kimballton Area		0	5	5	0	0	1,565	0	0	0	0	0	0
Total for Above County : (4 records)		0	8	8	0	0	1,568	0	0	0	0	0	133
GREENSVILLE GEORGIA PACIFIC WOOD PRODUCTS LLC EMPORIA PLYWOOD								634 DAVIS ST				NAICS Code	321212
LEAD COMPOUNDS	N	0	235	235	0	0	235	0	0	0	0	0	48
Total for Georgia Pacific Wood Products Llc Emp		0	235	235	0	0	235	0	0	0	0	0	48
GREENSVILLE STEELFAB OF VIRGINIA INC								1510 REESE ST				NAICS Code	332312
LEAD	N	10	1	11	0	0	11	0	0	0	0	0	2,567
Total for Steelfab Of Virginia Inc		10	1	11	0	0	11	0	0	0	0	0	2,567
Total for Above County : (2 records)		10	236	246	0	0	246	0	0	0	0	0	2,615
HALIFAX CLOVER POWER STATION								4091 CLOVER RD				NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	2	2	0	1	223	0	0	0	0	0	13
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for Clover Power Station		0	3	3	0	1	224	0	0	0	0	0	13
HALIFAX HUBER ENGINEERED WOODS LLC								1000 CHANEY LN				NAICS Code	321219
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	99	99	0	0	99	0	0	0	0	0	47
Total for Huber Engineered Woods Llc		0	99	99	0	0	99	0	0	0	0	0	47

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Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (5 records)		0	102	102	0	1	323	0	0	0	0	0	60
HAMPTON (CITY)	BRANSCOME-HAMPTON							1922 W PEMBROKE AVE				NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for Branscome-Hampton		1	0	1	0	0	1	0	0	0	0	0	0
Total for Above County : (3 records)		1	0	1	0	0	1	0	0	0	0	0	0
HANOVER	CONCRETE PIPE & PRECAST LLC-ASHLAND PRECAST PLANT							11352 VIRGINIA PRECAST RD				NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Concrete Pipe & Precast Llc-Ashland Pre		0	0	0	0	0	0	0	0	0	0	0	0
HANOVER	CONCRETE PIPE & PRECAST LLC-HANOVER PIPE PLANT							10350 DESIGN RD				NAICS Code	327332
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Concrete Pipe & Precast Llc-Hanover Pip		0	0	0	0	0	0	0	0	0	0	0	0
HANOVER	DOSWELL LP							10098 OLD RIDGE RD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	167	167	0	0	612	0	0	0	0	0	0
Total for Doswell Lp		0	167	167	0	0	612	0	0	0	0	0	0
HANOVER	SOUTH ATLANTIC GALVANIZING LLC							11022 LEWISTOWN RD				NAICS Code	332812
LEAD	N	16	0	16	0	1	17	0	0	0	0	0	3,419
Total for South Atlantic Galvanizing Llc		16	0	16	0	1	17	0	0	0	0	0	3,419
Total for Above County : (4 records)		16	167	184	0	1	630	0	0	0	0	0	3,419
HARRISONBURG (CITY)	TENNECO WALKER MANUFACTURING CO							3160 ABBOTT LN				NAICS Code	336390
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	173
Total for Tenneco Walker Manufacturing Co		0	0	0	0	0	0	0	0	0	0	0	173
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	173

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
HENRICO	ARGOS READY MIX BRYAN PARK CONCRETE PLANT							4607 RACRETE RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Argos Ready Mix Bryan Park Concrete Pl		0	0	0	0	0	0	0	0	0	0	0	0
HENRICO	IR ENGRAVING LLC							5901 LEWIS RD				NAICS Code	323111
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	4,107
Total for Ir Engraving Llc		0	0	0	0	0	0	0	0	0	0	0	4,107
HENRICO	MECHANICSVILLE CONCRETE LLC-AIRPORT PLANT (OAKLEYS LA							4481 OAKLEYS LN				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Mechanicsville Concrete Llc-Airport Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	0	0	0	0	0	0	0	0	0	0	4,107
HENRY	PINE PRODUCTS INC							315 CARVER RD				NAICS Code	321113
LEAD	N	0	962	962	0	0	962	0	0	0	0	0	0
Total for Pine Products Inc		0	962	962	0	0	962	0	0	0	0	0	0
HENRY	VIRGINIA MIRROR CO INC							300 S MOSS ST				NAICS Code	327215
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	1	91
Total for Virginia Mirror Co Inc		0	1	1	0	0	1	0	0	0	0	1	91
Total for Above County : (2 records)		0	963	963	0	0	963	0	0	0	0	1	91
HOPEWELL (CITY)	ADVANSIX INC HOPEWELL PLANT							905 E RANDOLPH RD				NAICS Code	325199
POLYCYCLIC AROMATIC COMPOU	N	11	0	11	0	0	11	0	0	0	0	0	0
Total for Advansix Inc Hopewell Plant		11	0	11	0	0	11	0	0	0	0	0	0
HOPEWELL (CITY)	ASSOCIATED ASPHALT HOPEWELL LLC							410 WATER ST				NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	4	4	0	0	4	0	0	0	0	0	0
Total for Associated Asphalt Hopewell Llc		0	4	4	0	0	4	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
HOPEWELL (CITY)	CITY POINT ENERGY CENTER							912 E RANDOLPH RD				NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	8	8	0	14	22	0	0	0	0	0	3
MERCURY COMPOUNDS	N	0	111	111	0	1	111	0	0	0	0	0	0
Total for City Point Energy Center		0	119	119	0	14	133	0	0	0	0	0	4
HOPEWELL (CITY)	WESTROCK CP LLC							910 INDUSTRIAL ST				NAICS Code	322130
LEAD COMPOUNDS	N	0	15	15	0	0	15	0	0	0	0	405	885
Total for Westrock Cp Llc		0	15	15	0	0	15	0	0	0	0	405	885
Total for Above County : (7 records)		11	138	149	0	14	163	0	0	0	0	405	888
ISLE OF WIGHT	INTERNATIONAL PAPER FRANKLIN MILL							34040 UNION CAMP DR				NAICS Code	322110
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	28	28	0	72	100	0	0	0	0	0	1,048
Total for International Paper Franklin Mill		0	28	28	0	72	100	0	0	0	0	0	1,048
ISLE OF WIGHT	ST TISSUE LLC							34050 UNION CAMP DR				NAICS Code	322121
LEAD	N	0	1	1	0	0	1	0	0	0	0	0	388
Total for St Tissue Llc		0	1	1	0	0	1	0	0	0	0	0	388
Total for Above County : (3 records)		0	28	28	0	72	100	0	0	0	0	0	1,436
JAMES CITY	BALL METAL BEVERAGE CONTAINER CORP							8935 POCAHONTAS TRAIL JAMES RIVER				NAICS Code	332431
LEAD	N	0	0	0	0	0	0	0	0	0	0	3	3
Total for Ball Metal Beverage Container Corp		0	0	0	0	0	0	0	0	0	0	3	3
JAMES CITY	BRANSCOME-LEE HALL							9393 MERRIMAC TRAIL				NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for Branscome-Lee Hall		1	0	1	0	0	1	0	0	0	0	0	0

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
JAMES CITY	GREYSTONE OF VIRGINIA INC							7992 RICHMOND RD				NAICS Code	332813
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	2	747
Total for Greystone Of Virginia Inc		0	0	0	0	0	0	0	0	0	0	2	747
JAMES CITY	OWENS-BROCKWAY GLASS CONTAINER INC PLANT 26							150 INDUSTRIAL BLVD				NAICS Code	327213
LEAD COMPOUNDS	N	0	29	29	0	0	29	0	16	0	16	0	0
Total for Owens-Brockway Glass Container Inc Pla		0	29	29	0	0	29	0	16	0	16	0	0
Total for Above County : (6 records)		1	29	30	0	0	30	0	16	0	16	5	751
KING GEORGE	BIRCHWOOD POWER FACILITY							10900 BIRCHWOOD DR				NAICS Code	221112
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	7,955
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	29
Total for Birchwood Power Facility		0	0	0	0	0	0	0	0	0	0	0	7,984
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	7,984
KING WILLIAM	WESTROCK CP, LLC							1901 MAIN ST				NAICS Code	322110
BENZO(G,H,I)PERYLENE	N	0	2	2	0	0	2	0	0	0	0	0	2
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	34	34	0	196	230	0	0	0	0	0	1,643
MERCURY COMPOUNDS	N	0	9	9	0	1	9	0	0	0	0	0	11
POLYCYCLIC AROMATIC COMPOU	N	0	218	218	0	0	218	0	0	0	0	0	23
Total for Westrock Cp, Llc		0	263	263	0	196	459	0	0	0	0	0	1,679
Total for Above County : (5 records)		0	263	263	0	196	459	0	0	0	0	0	1,679
LEE	US PENITENTIARY LEE							LEE COUNTY IND US TRIAL PARK HICKORY				NAICS Code	922140
LEAD COMPOUNDS	N	1	0	1	0	0	1,071	0	0	0	0	0	0
Total for Us Penitentiary Lee		1	0	1	0	0	1,071	0	0	0	0	0	0
Total for Above County : (1 record)		1	0	1	0	0	1,071	0	0	0	0	0	0
LOUDOUN	CHANTILLY READY MIX CONCRETE							25232 WILLARD ROAD				NAICS Code	327320

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2018 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD COMPOUNDS	N	0	0	0	0	0	10	0	0	0	0	0	10
MERCURY COMPOUNDS	N	0	0	1	0	0	1	0	0	0	0	0	0
Total for Chantilly Ready Mix Concrete		0	0	1	0	0	11	0	0	0	0	0	10
LOUDOUN		ELECTRONIC INSTRUMENTATION & TECHNOLOGY LLC						309 KELLYS FORD PLZ SE				NAICS Code	334418
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	31
Total for Electronic Instrumentation & Technology L		0	0	0	0	0	0	0	0	0	0	0	31
LOUDOUN		GEA SYSTEMS DBA LLC (DBA LLC DOWTY PROPELLERS)						114 POWERS CT				NAICS Code	336413
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Gea Systems Dbc Llc (Dba Llc Dowty Pro		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN		SUPERIOR CONCRETE MATERIALS INC. - DULLES						44146 WADE DR				NAICS Code	327320
LEAD	N	30	0	30	0	0	30	0	0	0	0	0	0
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Superior Concrete Materials Inc. - Dulles		30	0	31	0	0	31	0	0	0	0	0	0
LOUDOUN		TITAN VIRGINIA READY-MIX LLC-STERLING PLANT						22963 CONCRETE PLAZA				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Sterling Plant		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN		TTM TECHNOLOGIES NA LLC						1200 SEVERN WAY				NAICS Code	334412
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	86	5,289
Total for Ttm Technologies Na Llc		0	0	0	0	0	0	0	0	0	0	86	5,289
LOUDOUN		US DHS MT WEATHER EOC						19844 BLUE RIDGE MOUNTAIN RD				NAICS Code	922190
LEAD COMPOUNDS	N	4	0	4	0	0	4	0	0	0	0	0	1,550
Total for Us Dhs Mt Weather Eoc		4	0	4	0	0	4	0	0	0	0	0	1,550
LOUDOUN		VIRGINIA CONCRETE CO INC-CHANTILLY						25086 TANNER LN				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Virginia Concrete Co Inc-Chantilly		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								42574 COCHRAN MILL RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Cochran Mill		0	0	0	0	0	0	0	0	0	0	0	0
LOUDOUN								44866 OLD OX ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Dulles Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (12 records)		35	1	36	0	0	46	0	0	0	0	86	6,880
LOUISA								819 HILL RD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Gordonsville Power Station		0	0	0	0	0	0	0	0	0	0	0	0
LOUISA								3352 KLOCKNER RD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	26	26	0	0	26	0	0	0	0	0	0
Total for Old Dominion Electric Co-Op Louisa Gene		0	26	26	0	0	26	0	0	0	0	0	0
Total for Above County : (2 records)		0	26	26	0	0	26	0	0	0	0	0	0
LYNCHBURG (CITY)								1619 WYTHE RD				NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	1,490
Total for Banker Steel Company, Llc		0	0	0	0	0	0	0	0	0	0	0	1,490
LYNCHBURG (CITY)								10 ADAMS ST				NAICS Code	331511
LEAD COMPOUNDS	N	4	1,676	1,680	0	3	1,683	0	0	0	0	40	53,527
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	20
Total for Griffin Pipe Products Co		4	1,677	1,681	0	3	1,683	0	0	0	0	40	53,547
LYNCHBURG (CITY)								3700 MAYFLOWER DR				NAICS Code	326291
LEAD COMPOUNDS	N	0	501	501	0	0	501	0	0	0	0	0	0

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2018 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Parker Hannifin Integrated Seals Div		0	501	501	0	0	501	0	0	0	0	0	0
LYNCHBURG (CITY)								1801 CONCORD TURNPIKE				NAICS Code	322121
LEAD	N	0	0	0	0	0	0	0	0	0	0	1	118
Total for Westrock / Seven Hills Llc		0	0	0	0	0	0	0	0	0	0	1	118
Total for Above County : (5 records)		4	2,178	2,182	0	3	2,185	0	0	0	0	41	55,155
MECKLENBURG								501 GOLDEN EAGLE DR				NAICS Code	332311
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	530
Total for American Buildings Company-La Crosse		0	0	0	0	0	0	0	0	0	0	0	530
MECKLENBURG								204 COGEN DR				NAICS Code	221112
LEAD COMPOUNDS	N	0	2	2	0	1	3	0	0	0	0	0	17
Total for Mecklenburg Power Station		0	2	2	0	1	3	0	0	0	0	0	17
MECKLENBURG								820 BOYD ST				NAICS Code	321920
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for Pallet One Of Virginia		0	2	2	0	0	2	0	0	0	0	0	0
Total for Above County : (3 records)		0	4	4	0	1	5	0	0	0	0	0	547
MONTGOMERY								RT 114 RADFORD ARMY AMMUNITION PLANT				NAICS Code	325920
LEAD COMPOUNDS	N	0	5	5	0	0	5	0	0	0	0	0	1,285
Total for Alliant Techsystems Operations Llc (New		0	5	5	0	0	5	0	0	0	0	0	1,285
MONTGOMERY								RADFORD ARMY AMMUNITION PLANT 4050				NAICS Code	325920
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	1,562	83	1,645	0	129	1,774	0	0	0	0	0	0
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Bae Systems, Ordnance Systems Inc		1,562	83	1,645	0	129	1,774	0	0	0	0	0	0
MONTGOMERY								300 INDUSTRIAL PARK RD SE				NAICS Code	336350

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Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
LEAD	N	0	9	9	0	0	9	0	0	0	0	0	529
Total for Federal Mogul Powertrain Llc.		0	9	9	0	0	9	0	0	0	0	0	529
MONTGOMERY	MOOG INC.							1213 N MAIN ST				NAICS Code	334419
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	528
Total for Moog Inc.		0	0	0	0	0	0	0	0	0	0	0	528
Total for Above County : (6 records)		1,562	97	1,659	0	129	1,788	0	0	0	0	0	2,342
NEWPORT NEWS (CITY)	BKEP MATERIALS, LLC -- NEWPORT NEWS VA							801 TERMINAL AVE				NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	1	1	0	0	1	0	1	0	1	0	7
Total for Bkep Materials, Llc -- Newport News Va		1	1	1	0	0	1	0	1	0	1	0	7
NEWPORT NEWS (CITY)	HUNTINGTON INGALLS INCORPORATED							4101 WASHINGTON AVE				NAICS Code	336611
LEAD	N	2	0	2	0	0	2	0	0	0	0	0	30,861
Total for Huntington Ingalls Incorporated		2	0	2	0	0	2	0	0	0	0	0	30,861
NEWPORT NEWS (CITY)	JOINT BASE LANGLEY EUSTIS-EUSTIS (JBLE-EUSTIS)							705 WASHINTON BLVD				NAICS Code	928110
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Joint Base Langley Eustis-Eustis (Jble-Eu		0	0	0	0	0	0	0	0	0	0	0	0
NEWPORT NEWS (CITY)	TCS MATERIALS NEWPORT NEWS							700 SHIELDS RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Tcs Materials Newport News		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (6 records)		2	1	4	0	0	4	0	1	0	1	0	30,868
NORFOLK (CITY)	BAE SYSTEMS NORFOLK SHIP REPAIR							750 W BERKLEY AVE				NAICS Code	336611
LEAD COMPOUNDS	N	9	0	9	0	0	9	0	0	0	0	9	182
Total for Bae Systems Norfolk Ship Repair		9	0	9	0	0	9	0	0	0	0	9	182

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
NORFOLK (CITY)	BRANSCOME INC-NORFOLK WESTMINSTER							3425 WESTMINSTER AVE				NAICS Code	324121
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for Branscome Inc-Norfolk Westminster		1	0	1	0	0	1	0	0	0	0	0	0
NORFOLK (CITY)	CAPITAL CONCRETE INC.							400 STAPLETON ST				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Capital Concrete Inc.		0	0	0	0	0	0	0	0	0	0	0	0
NORFOLK (CITY)	TITAN VIRGINIA READY-MIX LLC-CAMPOSTELLA PLANT							2125 KIMBALL TERRACE				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Campostella		0	0	0	0	0	0	0	0	0	0	0	0
NORFOLK (CITY)	UNITED STATES GYPSUM CO							1424 S MAIN ST				NAICS Code	327420
LEAD COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	88	88	0	0	88	0	0	0	0	0	0
Total for United States Gypsum Co		0	89	89	0	0	89	0	0	0	0	0	0
NORFOLK (CITY)	US NAVY JOINT EXPEDITIONARY LITTLE CREEK BASE							2600 TARAWA CT SUITE 100				NAICS Code	928110
LEAD	N	0	0	0	0	0	2,340	0	0	0	0	0	0
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	0	0
Total for Us Navy Joint Expeditionary Little Creek B		1	0	1	0	0	2,341	0	0	0	0	0	0
NORFOLK (CITY)	US NAVY NAVAL STATION NORFOLK							1531 GILBERT ST SUITE 2000				NAICS Code	928110
LEAD	N	9	0	9	0	0	9	0	0	0	0	0	8,767
Total for Us Navy Naval Station Norfolk		9	0	9	0	0	9	0	0	0	0	0	8,767
Total for Above County : (11 records)		20	89	110	0	0	2,449	0	0	0	0	9	8,949
NOTTOWAY	ARBORTECH FOREST PRODUCTS, INC.							500 DEARING AVENUE				NAICS Code	321113

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LEAD COMPOUNDS	N	0	14	14	0	0	30	0	0	0	0	0	0
Total for Arbortech Forest Products, Inc.		0	14	14	0	0	30	0	0	0	0	0	0
NOTTOWAY		US ARMY NATIONAL GUARD FORT PICKETT (INSTALLATION)						US PFO BUILDING 316 FORT PICKETT				NAICS Code	928110
LEAD	N	0	0	0	0	0	44,469	0	0	0	0	0	0
LEAD COMPOUNDS	N	164	0	164	0	0	164	0	0	0	0	0	0
Total for Us Army National Guard Fort Pickett (Inst		164	0	164	0	0	44,633	0	0	0	0	0	0
Total for Above County : (3 records)		164	14	178	0	0	44,662	0	0	0	0	0	0
PATRICK		MICROMETRICS SYSTEM						225 JEB STUART HWY				NAICS Code	332710
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Micrometrics System		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
PETERSBURG (CITY)		PRE CON, INC.						321 BROWN ST				NAICS Code	313320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Pre Con, Inc.		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
PITTSYLVANIA		BLUE RIDGE FIBERBOARD						250 CELOTEX DR				NAICS Code	321219
POLYCYCLIC AROMATIC COMPOU	N	19	0	19	0	0	19	0	0	0	0	0	0
Total for Blue Ridge Fiberboard		19	0	19	0	0	19	0	0	0	0	0	0
PITTSYLVANIA		JTI LEAF SERVICES (US) LLC						202 STINSON DRIVE				NAICS Code	312230
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	1,390
Total for Jti Leaf Services (Us) Llc		0	0	0	0	0	0	0	0	0	0	0	1,390
PITTSYLVANIA		OWENS-BROCKWAY GLASS CONTAINER INC PLANT 29						29 GLASSBLOWER LN				NAICS Code	327213
LEAD COMPOUNDS	N	0	240	240	0	0	240	0	0	0	0	0	0
Total for Owens-Brockway Glass Container Inc Pla		0	240	240	0	0	240	0	0	0	0	0	0
Total for Above County : (3 records)		19	240	259	0	0	259	0	0	0	0	0	1,390

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PORTSMOUTH (CITY)	TITAN VIRGINIA READY-MIX LLC-PORT NORFOLK PLANT							101 CHAUTAUQUA AVE				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Port Norfolk		0	0	0	0	0	0	0	0	0	0	0	0
PORTSMOUTH (CITY)	US COAST GUARD BASE PORTSMOUTH							4000 COAST GUARD BLVD				NAICS Code	928110
LEAD	N	7	0	7	0	4	11	0	0	0	0	0	4,986
Total for Us Coast Guard Base Portsmouth		7	0	7	0	4	11	0	0	0	0	0	4,986
PORTSMOUTH (CITY)	US NAVY NORFOLK NAVAL SHIPYARD							INTERSECTION OF EFFINGHAM ST & GERRARD ST				NAICS Code	928110
LEAD	N	0	0	0	0	26	26	0	0	0	0	92	45,010
Total for Us Navy Norfolk Naval Shipyard		0	0	0	0	26	26	0	0	0	0	92	45,010
Total for Above County : (3 records)		7	0	7	0	30	37	0	0	0	0	92	49,996
PRINCE GEORGE	LUMINANT HOPEWELL POWER PLANT							1114 HERCULES RD				NAICS Code	221112
LEAD COMPOUNDS	N	0	38	38	0	0	38	0	0	0	0	0	0
Total for Luminant Hopewell Power Plant		0	38	38	0	0	38	0	0	0	0	0	0
PRINCE GEORGE	U.S. ARMY GARRISON FORT LEE VA - RANGES							825, 19TH STREET, BLDG 6005				NAICS Code	928110
LEAD	N	0	0	0	0	0	2,112	0	0	0	0	0	0
Total for U.S. Army Garrison Fort Lee Va - Ranges		0	0	0	0	0	2,112	0	0	0	0	0	0
Total for Above County : (2 records)		0	38	38	0	0	2,150	0	0	0	0	0	0
PRINCE WILLIAM	MANASSAS BROAD RUN READY MIX CONCRETE							9321 DEVELOPERS DRIVE				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	3	0	0	0	0	0	3
Total for Manassas Broad Run Ready Mix Concret		0	0	0	0	0	3	0	0	0	0	0	3
PRINCE WILLIAM	POSSUM POINT POWER STATION							19000 POSSUM POINT RD				NAICS Code	221112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for Possum Point Power Station		0	1	1	0	0	1	0	0	0	0	0	0

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
PRINCE WILLIAM	SAFETY-KLEEN SYSTEMS MANASSAS (MAN)							11520 BALLS FORD RD				NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	311
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	869
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	2,265
Total for Safety-Kleen Systems Manassas (Man)		0	0	0	0	0	0	0	0	0	0	0	3,445
PRINCE WILLIAM	TITAN VIRGINIA READY-MIX LLC-DUMFRIES PLANT							3454 CANAL RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Dumfries Pla		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	US MARINE CORPS BASE QUANTICO							3250 CATLIN AVE				NAICS Code	928110
LEAD COMPOUNDS	N	120	0	120	0	0	79,380	0	0	0	0	0	33
Total for Us Marine Corps Base Quantico		120	0	120	0	0	79,380	0	0	0	0	0	33
PRINCE WILLIAM	VIRGINIA CONCRETE DUMFRIES PLANT							217 CANAL RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Dumfries Plant		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	VIRGINIA CONCRETE GAINESVILLE PLANT							7300 RAIL LINE CT				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Gainesville Plant		0	0	0	0	0	0	0	0	0	0	0	0
PRINCE WILLIAM	VIRGINIA CONCRETE WOODBRIDGE PLANT							936 ANNAPOLIS WAY				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Woodbridge Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (11 records)		120	1	121	0	0	79,383	0	0	0	0	0	3,481
PULASKI	IMPERIAL GROUP MANUFACTURING INC							4969 STEPP PLACE				NAICS Code	332322
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	80
Total for Imperial Group Manufacturing Inc		0	0	0	0	0	0	0	0	0	0	0	80

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2018 Toxics Release Inventory

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Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy			Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*							Recovery (pounds)	Recycling (pounds)	Treatment (pounds)			
PULASKI	JAMES HARDIE BUILDING PRODUCTS PULASKI							1000 JAMES HARDIE WAY				NAICS Code	327390
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for James Hardie Building Products Pulaski		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	80
RICHMOND	MCFARLAND CASCADE HOLDINGS INC							15939 HISTORY LAND HWY				NAICS Code	321114
LEAD COMPOUNDS	N	0	6	6	0	0	6	0	0	0	0	0	0
Total for Mcfarland Cascade Holdings Inc		0	6	6	0	0	6	0	0	0	0	0	0
RICHMOND	SONOCO RICHMOND							1850 COMMERCE RD				NAICS Code	322130
LEAD	N	0	0	0	0	0	0	0	0	0	0	31	68
Total for Sonoco Richmond		0	0	0	0	0	0	0	0	0	0	31	68
Total for Above County : (2 records)		0	6	6	0	0	6	0	0	0	0	31	68
RICHMOND (CITY)	BELLEMEADE POWER STATION							1860 COMMERCE RD				NAICS Code	221112
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Bellemeade Power Station		0	0	0	0	0	0	0	0	0	0	0	0
RICHMOND (CITY)	SPRUANCE GENCO LLC							5001 COMMERCE RD				NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	44	44	0	3	47	0	0	0	0	0	253
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Spruance Genco Llc		0	44	44	0	3	47	0	0	0	0	0	253
RICHMOND (CITY)	TCS MATERIALS RICHMOND PLANT							2100 DEEPWATER TERMINAL ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Tcs Materials Richmond Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (5 records)		0	44	44	0	3	47	0	0	0	0	0	253
ROANOKE	HARRIS CORP - NIGHT VISION							7635 PLANTATION RD				NAICS Code	334511

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2018 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	2,807
Total for Harris Corp - Night Vision		0	0	0	0	0	0	0	0	0	0	0	2,807
ROANOKE		KOPPERS INC (ROANOKE)						4020 KOPPERS RD				NAICS Code	321114
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	1,090	0	1,090	0	39
POLYCYCLIC AROMATIC COMPOU	N	2	3	5	0	0	5	0	57,105	8	57,113	0	2,059
Total for Koppers Inc (Roanoke)		2	3	5	0	0	5	0	58,194	8	58,203	0	2,098
ROANOKE		MEDECO SECURITY LOCKS INC.						3625 ALLEGHENY DR				NAICS Code	332510
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	27,895
Total for Medeco Security Locks Inc.		0	0	0	0	0	0	0	0	0	0	0	27,895
ROANOKE		NEW MILLENNIUM BUILDING SYSTEMS						100 DIUGUIDS LANE				NAICS Code	332312
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	5,411
Total for New Millennium Building Systems		0	0	0	0	0	0	0	0	0	0	0	5,411
ROANOKE		SAFETY-KLEEN SYSTEMS VINTON (ROA)						16090 STEWARTSVILLE RD				NAICS Code	562112
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	102
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	288
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	740
Total for Safety-Kleen Systems Vinton (Roa)		0	0	0	0	0	0	0	0	0	0	0	1,130
ROANOKE		YOKOHAMA TIRE MANUFACTURING VIRGINIA LLC						1500 INDIANA ST				NAICS Code	326211
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	1	0	1	0	0	1	0	0	0	0	0	3
POLYCYCLIC AROMATIC COMPOU	N	0	1	1	0	0	1	0	0	0	0	0	1
Total for Yokohama Tire Manufacturing Virginia Llc		1	1	1	0	0	1	0	0	0	0	0	4
Total for Above County : (11 records)		3	4	7	0	0	7	0	58,194	8	58,203	0	39,345
ROANOKE (CITY)		ASSOCIATED ASPHALT ROANOKE, LLC						2677 ROANOKE AVE SW				NAICS Code	424710
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0

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2018 Toxics Release Inventory

Appendix G

Facility County/Independent City		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Facility Name/Address		Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Chemical Name	form A*												
POLYCYCLIC AROMATIC COMPOU	N	0	22	22	0	0	22	0	0	0	0	0	0
Total for Associated Asphalt Roanoke, Llc		0	22	22	0	0	22	0	0	0	0	0	0
ROANOKE (CITY)								3830 BLUE RIDGE DR SW				NAICS Code	327320
LEAD COMPOUNDS	N	0	2	2	0	0	2	0	0	0	0	0	0
Total for Boxley Materials Company Roanoke Read		0	2	2	0	0	2	0	0	0	0	0	0
ROANOKE (CITY)								102 WESTSIDE BLVD				NAICS Code	331110
LEAD COMPOUNDS	N	15	136	151	0	36	187	0	0	0	0	0	182,653
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Steel Dynamics Inc Roanoke Bar Div		15	136	151	0	36	187	0	0	0	0	0	182,653
Total for Above County : (5 records)		15	160	175	0	36	211	0	0	0	0	0	182,653
ROCKBRIDGE								225 S MAGNOLIA AVE				NAICS Code	333415
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	112
Total for Munters		0	0	0	0	0	0	0	0	0	0	0	112
ROCKBRIDGE								43 DOUGLAS WAY				NAICS Code	333415
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	2
Total for Munters Corporation		0	0	0	0	0	0	0	0	0	0	0	2
ROCKBRIDGE								9223 MAURY RIVER RD				NAICS Code	321114
BENZO(G,H,I)PERYLENE	N	1	0	1	0	0	1	0	0	0	0	0	14
POLYCYCLIC AROMATIC COMPOU	N	27	2	28	0	0	28	0	0	0	0	0	805
Total for Stella Jones Corp-Goshen Facility		27	2	29	0	0	29	0	0	0	0	0	819
Total for Above County : (4 records)		27	2	29	0	0	29	0	0	0	0	0	933
ROCKINGHAM								1526 COUNTY CLUB RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Superior Concrete Inc-Harrisonburg		0	0	0	0	0	0	0	0	0	0	0	0

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (2 records)		0	0	0	0	0	0	0	0	0	0	0	0
SALEM (CITY)	GE DRIVES & CONTROLS							1501 ROANOKE BLVD				NAICS Code	335314
LEAD COMPOUNDS	N	0	2	2	0	1	3	0	0	0	0	0	2,000
Total for Ge Drives & Controls		0	2	2	0	1	3	0	0	0	0	0	2,000
Total for Above County : (1 record)		0	2	2	0	1	3	0	0	0	0	0	2,000
SHENANDOAH	O-N MINERALS (CHEMSTONE) STRASBURG LIME PLANT							1696 ORANDA RD				NAICS Code	327410
LEAD COMPOUNDS	N	0	0	0	0	0	205	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	1	1	0	0	1	0	0	0	0	0	0
Total for O-N Minerals (Chemstone) Strasburg Lim		0	2	2	0	0	207	0	0	0	0	0	0
Total for Above County : (2 records)		0	2	2	0	0	207	0	0	0	0	0	0
SMYTH	GENERAL DYNAMICS MISSION SYSTEMS, INC.							150 JOHNSTON RD				NAICS Code	336413
TETRABROMOBISPHENOL A	N	0	0	0	0	0	0	0	0	0	0	0	212
Total for General Dynamics Mission Systems, Inc.		0	0	0	0	0	0	0	0	0	0	0	212
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	212
SPOTSYLVANIA	OLDCASTLE PRECAST INC							5115 MASSAPONAX CHURCH RD				NAICS Code	327390
LEAD COMPOUNDS	N	0	0	0	0	0	3	0	0	0	0	0	40
Total for Oldcastle Precast Inc		0	0	0	0	0	3	0	0	0	0	0	40
SPOTSYLVANIA	SPOTSYLVANIA PLANT							8520 INDIAN HILLS CT.				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Spotsylvania Plant		0	0	0	0	0	0	0	0	0	0	0	0
SPOTSYLVANIA	VIRGINIA CONCRETE SPOTSYLVANIA PLANT							6110 SMITH STATION ROAD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Virginia Concrete Spotsylvania Plant		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (3 records)		0	0	0	0	0	3	0	0	0	0	0	40

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Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
STAFFORD	COLONIAL CIRCUITS INC.							1026 WARRENTON RD				NAICS Code	334412
LEAD	N	0	0	0	0	0	0	0	0	0	0	2	149
Total for Colonial Circuits Inc.		0	0	0	0	0	0	0	0	0	0	2	149
STAFFORD	FALMOUTH READY MIX CONCRETE							301 WARRENTON ROAD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	4	0	0	0	0	0	4
Total for Falmouth Ready Mix Concrete		0	0	0	0	0	4	0	0	0	0	0	4
STAFFORD	STAFFORD PLANT							169 WYCHE RD				NAICS Code	327320
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Stafford Plant		0	0	0	0	0	0	0	0	0	0	0	0
STAFFORD	TITAN VIRGINIA READY-MIX LLC-STAFFORD PLANT							48 POWELL LN				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Stafford Plan		0	0	0	0	0	0	0	0	0	0	0	0
STAFFORD	U.S. DOJ FBI TRAINING ACADEMY							MCB-4 BUILDING 15-FMU				NAICS Code	921110
LEAD COMPOUNDS	N	9	1	10	0	0	10	0	0	0	0	0	468,470
Total for U.S. Doj Fbi Training Academy		9	1	10	0	0	10	0	0	0	0	0	468,470
Total for Above County : (5 records)		9	1	10	0	0	14	0	0	0	0	2	468,623
VIRGINIA BEACH (CITY)	TITAN VIRGINIA READY-MIX LLC-LEESBURG PLANT							42105 COCHRAN MILL RD				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Leesburg Pla		0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	TITAN VIRGINIA READY-MIX LLC-OCEANA PLANT							160 OCEANA BLVD.				NAICS Code	327320
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Titan Virginia Ready-Mix Llc-Oceana Plant		0	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	US ARMY NATIONAL GUARD CTC CAMP PENDLETON (RANGES)							203 RED HORSE DRIVE				NAICS Code	928110
LEAD	N	0	0	0	0	0	181	0	0	0	0	0	0

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

2018 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Us Army National Guard Ctc Camp Pendl		0	0	0	0	0	181	0	0	0	0	0	0
VIRGINIA BEACH (CITY)	US NAVY FLEET COMBAT TRAINING CENTER ATL DAM NECK BASE							1912 REGULUS AVE				NAICS Code	928110
LEAD	N	1	0	1	0	0	4,168	0	0	0	0	0	739
Total for Us Navy Fleet Combat Training Center Atl		1	0	1	0	0	4,168	0	0	0	0	0	739
VIRGINIA BEACH (CITY)	US NAVY JOINT EXPEDITIONARY FORT STORY RANGE							300 ATLANTIC AVENUE				NAICS Code	928110
LEAD	N	0	0	0	0	0	586	0	0	0	0	0	0
Total for Us Navy Joint Expeditionary Fort Story Ra		0	0	0	0	0	586	0	0	0	0	0	0
Total for Above County : (5 records)		1	0	1	0	0	4,934	0	0	0	0	0	739
WARREN	US CBP CANINE TRAINING FACILITY FIRING RANGE #VA0040							828 HARMONY HOLLOW RD				NAICS Code	922120
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Us Cbp Canine Training Facility Firing Ra		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (1 record)		0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	AZZ GALVANIZING-BRISTOL							14781 INDUSTRIAL PARK RD				NAICS Code	332812
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	889
Total for Azz Galvanizing-Bristol		0	0	0	0	0	0	0	0	0	0	0	889
WASHINGTON	COLUMBUS MCKINNON CORP							22364 JEB STUART HWY				NAICS Code	333923
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	25
Total for Columbus Mckinnon Corp		0	0	0	0	0	0	0	0	0	0	0	25
WASHINGTON	MXI ENVIRONMENTAL SERVICES, LLC							26319 OLD TRAIL RD (ST RTE 679)				NAICS Code	562111
CHLORDANE	N	0	0	0	0	0	0	0	0	0	0	0	500
HEPTACHLOR	N	0	0	0	0	0	0	0	0	0	0	0	100
LEAD	N	0	0	0	0	0	0	0	0	0	0	0	30,587
MERCURY	N	0	0	0	0	0	0	0	0	0	0	0	1,394
METHOXYCHLOR	N	0	0	0	0	0	0	0	0	0	0	0	100
Total for Mxi Environmental Services, Llc		0	0	0	0	0	0	0	0	0	0	0	32,681

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Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
Total for Above County : (7 records)		0	0	0	0	0	0	0	0	0	0	0	33,595
WESTMORELAND	CARRY-ON TRAILER CORP							159 INDUSTRIAL PARK RD				NAICS Code	336212
LEAD	N	1	0	1	0	0	1	0	0	0	0	0	47
Total for Carry-On Trailer Corp		1	0	1	0	0	1	0	0	0	0	0	47
WESTMORELAND	POTOMAC SUPPLY LLC							1398 KINSALE RD				NAICS Code	321114
LEAD COMPOUNDS	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Potomac Supply Llc		0	0	0	0	0	0	0	0	0	0	0	0
Total for Above County : (2 records)		1	0	1	0	0	1	0	0	0	0	0	47
WISE	VIRGINIA CITY HYBRID ENERGY CENTER							3425 RUSSELL CREEK RD				NAICS Code	221112
DIOXIN AND DIOXIN-LIKE COMPO	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	115	115	0	0	26,315	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	0	0	0	0	320	0	0	0	0	0	0
Total for Virginia City Hybrid Energy Center		0	115	115	0	0	26,635	0	0	0	0	0	0
Total for Above County : (3 records)		0	115	115	0	0	26,635	0	0	0	0	0	0
YORK	AFETA CAMP PEARY							1100 EXECUTIVE DRIVE				NAICS Code	928110
LEAD	N	41	0	41	0	0	41	0	0	0	0	0	0
Total for Afeta Camp Peary		41	0	41	0	0	41	0	0	0	0	0	0
YORK	US NAVY CHEATHAM ANNEX BASE							108 SANDA AVE BLDG 270				NAICS Code	928110
LEAD	N	0	0	0	0	0	3,762	0	0	0	0	0	4,238
Total for Us Navy Cheatham Annex Base		0	0	0	0	0	3,762	0	0	0	0	0	4,238
YORK	US NAVY YORKTOWN NAVAL WEAPONS STATION BASE RANGE							160 MAIN RD				NAICS Code	928110
LEAD	N	34	0	34	0	0	1,846	0	0	0	0	0	1,589
Total for Us Navy Yorktown Naval Weapons Statio		34	0	34	0	0	1,846	0	0	0	0	0	1,589
YORK	YORKTOWN POWER STATION							1600 WATERVIEW RD				NAICS Code	221112

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

2018 Toxics Release Inventory

Appendix G

Facility County/Independent City Facility Name/Address		On-Site Releases from Section 5 of Form R						On-Site Management from Section 8 of Form R				Off-Site Transfers from Section 6 of Form R	
Chemical Name	form A*	Fugitive Air (pounds)	Stack Air (pounds)	Total Air (pounds)	Land (pounds)	Water (pounds)	Total On-Site Releases (pounds)	Energy Recovery (pounds)	Recycling (pounds)	Treatment (pounds)	Total On-Site Management (pounds)	POTW (pounds)	Total Other Off-Site Transfers ** (pounds)
BENZO(G,H,I)PERYLENE	N	0	0	0	0	0	0	0	0	0	0	0	0
LEAD COMPOUNDS	N	0	122	122	0	4,470	4,592	0	0	0	0	0	0
MERCURY COMPOUNDS	N	0	22	22	0	0	22	0	0	0	0	0	1
POLYCYCLIC AROMATIC COMPOU	N	0	0	0	0	0	0	0	0	0	0	0	0
Total for Yorktown Power Station		0	144	144	0	4,470	4,614	0	0	0	0	0	1
Total for Above County : (7 records)		75	144	219	0	4,470	10,263	0	0	0	0	0	5,828

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** TOTAL OTHER OFF-SITE TRANSFERS = ALL OF FORM R SECTION 6.2 OFF-SITE TRANSFERS (DISPOSAL + TREATMENT + ENERGY RECOVERY + RECYCLING)

Appendix H-1 - 2018 VA TRI NAICS Code Ranking by On-Site Releases

APPENDIX H-1 - 2018 VA TRI NAICS Code Ranking by On-Site Releases

NAICS Subsector	General Type of Industry	Count	Total On-Site Release (Pounds)
325	Chemical Manufacturing	214	10,521,842
322	Paper Manufacturing	87	5,898,050
221	Utilities	130	3,413,378
331	Primary Metal Manufacturing	52	2,211,169
311	Food Manufacturing	65	1,510,497
326	Plastics and Rubber Products Manufacturing	68	1,411,972
332	Fabricated Metal Product Manufacturing	103	1,095,272
928	National Security and International Affairs	60	693,809
312	Beverage and Tobacco Product Manufacturing	12	453,290
336	Transportation Equipment Manufacturing	64	244,104
	All Other NAICS	466	795,050
321	Wood Product Manufacturing	58	221,138
327	Nonmetallic Mineral Product Manufacturing	104	218,368
337	Furniture and Related Product Manufacturing	12	158,932
323	Printing and Related Support Activities	13	63,936
334	Computer and Electronic Product Manufacturing	23	27,046
333	Machinery Manufacturing	36	25,737
324	Asphalt Shingle and Coating Materials Manufacturing	2	21,185
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	16,004
335	Electrical Equipment, Appliance and Component Manufacturing	14	15,242
424	Merchant Wholesalers, Nondurable Goods	115	10,258
325	Ethyl Alcohol Manufacturing	4	5,389
425	Wholesale Electronic Markets and Agents and Brokers	6	3,689
339	Miscellaneous Manufacturing	8	3,504
325	Medicinal and Botanical Manufacturing	4	2,352
922	Justice, Public Order, and Safety Activities	1	1,071
562	Waste Management and Remediation Services	24	333
314	Textile Product Mills	3	303
313	Textile Mills	7	225
336	Motor Vehicle Body Manufacturing	1	154
927	Space Research and Technology	3	124
212	Mining (Except Oil and Gas)	1	28

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Inventory

2018 Toxics Release

NAICS Subsector	General Type of Industry	Count	Total On-Site Release (Pounds)
921	Executive, Legislative and Other General Government Support	2	20
324	Petroleum and Coal Products Manufacturing	17	6
922	Other Justice, Public Order and Safety Activities	1	4
321	Wood Container and Pallet Manufacturing	1	2
334	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables	1	1
922	Police Protection	2	0
334	Electronic Computer Manufacturing	1	0

Appendix H-2 - 2018 VA TRI NAICS Code Ranking by On-Site Management

APPENDIX H-2 - 2018 VA TRI NAICS Code Ranking by On-Site Management

NAICS Subsector	General Type of Industry	Count	Total On-Site Treatment (Pounds)
325	Chemical Manufacturing	214	662,102,699
322	Paper Manufacturing	87	53,787,233
311	Food Manufacturing	65	12,120,587
326	Plastics and Rubber Products Manufacturing	68	8,398,631
332	Fabricated Metal Product Manufacturing	103	7,337,157
221	Utilities	130	6,784,143
336	Transportation Equipment Manufacturing	64	2,032,586
334	Computer and Electronic Product Manufacturing	23	1,387,121
321	Wood Product Manufacturing	58	1,223,660
928	National Security and International Affairs	60	850,006
	All Other NAICS	449	1,906,650
314	Textile Product Mills	3	750,418
312	Beverage and Tobacco Product Manufacturing	12	365,455
339	Miscellaneous Manufacturing	8	341,625
327	Nonmetallic Mineral Product Manufacturing	104	215,367
325	Ethyl Alcohol Manufacturing	4	99,473
337	Furniture and Related Product Manufacturing	12	50,147
331	Primary Metal Manufacturing	52	38,258
323	Printing and Related Support Activities	13	32,144
424	Merchant Wholesalers, Nondurable Goods	115	10,545
313	Textile Mills	7	1,890
335	Electrical Equipment, Appliance and Component Manufacturing	14	965
927	Space Research and Technology	3	363
324	Petroleum and Coal Products Manufacturing	17	1
325	Medicinal and Botanical Manufacturing	4	0
336	Motor Vehicle Body Manufacturing	1	0
425	Wholesale Electronic Markets and Agents and Brokers	6	0
333	Machinery Manufacturing	36	0
212	Mining (Except Oil and Gas)	1	0
331	Aluminum castings (except die-castings), unfinished, manufacturing	2	0
562	Waste Management and Remediation Services	24	0

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Inventory

2018 Toxics Release

NAICS Subsector	General Type of Industry	Count	Total On-Site Treatment (Pounds)
921	Executive, Legislative and Other General Government Support	2	0
321	Wood Container and Pallet Manufacturing	1	0
922	Justice, Public Order and Safety Activities	1	0
334	Electronic Computer Manufacturing	1	0
922	Other Justice, Public Order and Safety Activities	1	0
922	Police Protection	2	0
334	Instruments and Related Products Manufacturing for Measuring, Displaying and Controlling Industrial Process Variables	1	0
324	Asphalt Shingle and Coating Materials Manufacturing	2	0

Appendix I-1 - 2018 VA TRI Facility Ranking by On-Site Releases

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2018 Toxics Release Inventory

APPENDIX I-1 - 2018 VA TRI FACILITY RANKING BY ON-SITE RELEASES

Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
1	Bae Systems, Ordnance Systems Inc.	7,434,168	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX
2	Westrock Virginia Corp (Entire)	2,685,970	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
3	Jewell Coke Co Lp	2,114,379	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46
4	Advansix Inc. Hopewell Plant	1,339,413	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
5	International Paper Franklin Mill	1,086,272	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW
6	Virginia City Hybrid Energy Center	921,671	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
7	Westrock Cp, LLC	777,260	1901 Main St	West Point	King William	23181CHSPK19THM
8	Doswell Lp	753,101	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098
9	Clover Power Station	674,046	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
10	Perdue Farms Accomac Processing Plant	605,959	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
11	Ball Metal Beverage Container Corp	593,000	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
12	Chesterfield Power Station	581,504	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
13	Georgia-Pacific Big Island Mill	474,592	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
14	Cpfilms - Plant Ii	471,881	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
15	Spruance Plant	449,284	U.S. Hwy 1 At Cogbill Rd	Richmond	Chesterfield	23234DPNTSUSHIG
16	Westrock Cp LLC	406,924	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
17	Bwxt Nuclear Operations Group, Inc.	375,586	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCKMTATH
18	Greif Packaging LLC	345,237	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
19	Perdue Farms Inc.- Chesapeake Grain	330,720	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
20	Philip Morris USA Park 500 Site	322,244	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
21	Ashland Specialty Ingredients Gp	303,296	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
22	Yorktown Power Station	272,369	1600 Waterview Rd	Yorktown	York	23692YRKTW1600W
23	Church & Dwight Co Inc.	271,745	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
24	Honeywell International Colonial Heights Plant	267,080	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
25	Celanese Acetate LLC - Celco Plant	220,184	3520 Virginia Ave	Narrows	Giles	24124HCHSTR460
26	Pentagon Reservation	189,055	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR
27	US Marine Corps Base Quantico	174,736	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
28	Aquatic Co	163,960	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
29	Smithfield Fresh Meats Corp Smithfield, Va Facility	149,425	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
30	US Army National Guard Fort Pickett (Installation)	135,814	US Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
31	Mondelez Global LLC	130,472	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S
32	Luminant Hopewell Power Plant	128,360	1114 Hercules Rd	Hopewell	Prince George	23860HPRWL1114H
33	Westrock Cp, LLC	121,796	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
34	Dupont Teijin Films	108,720	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
35	Intertape Polymer Corp	104,926	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
36	US Army Fort AP Hill Ranges (Part)	101,237	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902
37	Huber Engineered Woods LLC	99,477	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRRT3HW
38	Dynax America Corp	84,991	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
39	Ashland Specialty Ingredients Gp	83,564	1111 Hercules Rd -	Hopewell	Hopewell (City)	23860QLNCM1111H
40	Georgia-Pacific Wood Products LLC - Brookneal Osb	82,947	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW
41	Lhoist Na Of Virginia Inc. Kimballton Area 1	76,818	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
42	Griffin Pipe Products Co	71,169	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS

*Virginia TRI Report – Summary of Data
from 2018 Facility Reports (issued March 2020)*

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
43	Virginia Marble Manufacturers Inc.	66,140	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE
44	New Market Poultry LLC	62,600	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
45	Kinyo Virginia Inc.	61,680	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
46	Huntington Ingalls Inc.	56,349	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
47	Jti Leaf Services (US) LLC	54,359	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
48	Tyson Farms Inc. - Processing Facility	53,840	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
49	Norcraft Companies	53,370	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL
50	US Army Fort Ap Hill Garrison (Part)	53,348	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
51	Kingspan Insulation LLC	53,219	172 Pactiv Way	Winchester	Frederick	22601MCFMPROUTE
52	Ingevity Virginia Corporation	52,572	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER
53	Virginia Marble Manufacturers Inc.	51,840	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
54	Vpgc LLC Hinton Facility	49,636	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
55	Millercoors-Shenandoah	47,332	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCROUTE

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
56	Appalachian Plastics Inc.	42,966	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
57	George's Chicken LLC	42,940	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFR RTE42
58	Roanoke Cement Co LLC	42,898	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
59	Possum Point Power Station	42,851	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000
60	Vaughan-Bassett Furniture Co. Galax	39,815	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO
61	Solenis LLC	35,546	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
62	Strongwell Corporation-Bristol	35,473	400 Commonwealth Ave.	Bristol	Washington	24203MRRSN400CO
63	Axalta Coating Systems USA LLC-Front Royal Plant	35,028	7961 Winchester Rd	Front Royal	Warren	22630DPNTFPOBOX
64	Mica Co Of Canada Inc.	34,949	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
65	Wheelabrator Abrasives Inc.	34,303	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
66	River Pools And Spas	28,843	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE
67	Spruance Genco LLC	28,467	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C
68	Georgia Pacific Wood Products LLC Emporia Plywood	28,235	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
69	Masco Cabinetry	27,751	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
70	Alliant Techsystems Operations LLC (New River Energetics)	25,503	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
71	Valley Proteins Inc.- Winchester Facility	25,393	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
72	Bassett Plant 11	25,078	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
73	Volvo Group North America, LLC	24,480	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE
74	General Shale Brick Inc. Plant 35 & 36	24,080	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
75	Tyson Farms Inc.- Temperanceville	23,517	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
76	Colonna's Shipyard Inc.	23,415	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
77	Fujifilm Wako Chemicals USA Corporation	23,250	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
78	Hapco	22,488	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
79	US/Navy Naval Support Activity Northwest Annex Range	22,184	1320 NW Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
80	Micron Technology Inc.	22,076	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
81	Onduline Na	21,185	4900 Ondura Dr	Fredericksburg	Spotsylvania	22401NDLNN4900O
82	O'Sullivan Films Inc.	20,725	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
83	Wolverine Advanced Materials	19,853	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S
84	Merck Sharp & Dohme Corp.	19,827	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
85	Anheuser-Busch LLC	19,042	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
86	Valley Proteins Inc. Linville Facility	18,491	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
87	Akzo Nobel Coatings Inc.	18,408	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
88	Lsc Communications / Lynchburg	17,583	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
89	New Millennium Building Systems	17,389	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
90	Lsc Communications / Harrisonburg N	17,379	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
91	Veolia James River Plant	17,328	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
92	Omega Protein Corporation	17,174	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX
93	Slocum Adhesives Corporation	16,482	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
94	Ball Advanced Aluminum Technologies Corp	16,004	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE

*Virginia TRI Report – Summary of Data
from 2018 Facility Reports (issued March 2020)*

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
95	Carry-On Trailer Corp	15,988	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
96	Huntington Ingalls Inc.	15,497	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
97	Ardagh Metal Packaging USA Inc.	15,150	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL
98	Kaiser Aluminum Fabricated Products LLC	14,375	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R
99	Bellwood Printing Plant	14,096	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
100	Nibco Of Virginia Inc.	13,748	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
101	Masco Cabinetry LLC	12,908	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
102	Federal Mogul Powertrain LLC.	11,549	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
103	Stihl Inc.	11,514	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
104	Danchem Technologies Inc.	11,402	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
105	Steelfab Of Virginia Inc.	11,159	1510 Reese St	Emporia	Greensville	23847STFBF1510R
106	Basf Corp	11,146	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
107	Bae Systems Norfolk Ship Repair	10,373	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
108	Philip Morris USA Commerce Road Site	10,313	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
109	The Lycra Company LLC	10,018	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
110	Ennis-Flint Richmond	9,918	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
111	American Gfm Corp	9,888	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
112	Qg Printing Ii Corp	9,532	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
113	Wolverine Advanced Materials	8,984	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
114	Cpfilms, Inc.	8,445	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
115	Virginia Transformer Corp	7,601	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
116	Virginia Transformer Corp.	7,388	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL
117	Birchwood Power Facility	7,280	10900 Birchwood Dr	King George	King George	22547BRCHW10900
118	Rps Composites Virginia, Inc.	6,677	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
119	Fiberglass Engineering Co	6,360	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
120	Strongwell Corp Highlands Div	6,222	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
121	Arkema Inc.	5,965	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI
122	Stella Jones Corp-Goshen Facility	5,923	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
123	Metl-Span, A Division Of Nci Group, Inc.	5,730	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
124	Aleris Rolled Products Inc.	5,347	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
125	Green Plains Hopewell LLC	5,134	701 S 6Th Ave	Hopewell	Prince George	2386WPPMTT71S6T
126	South Atlantic Galvanizing LLC	5,010	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
127	Upaco Adhesives Inc.	4,288	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
128	US Navy Fleet Combat Training Center Atl Dam Neck Base	4,168	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
129	Yokohama Tire Manufacturing Virginia LLC	4,099	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
130	Lsc Communications / Strasburg	4,088	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
131	Rexnord Industries LLC	4,059	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34
132	Fujifilm Wako Chemicals USA Corp	4,050	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
133	Davis-Frost Inc.	4,028	3416 Candler's Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
134	US Navy Cheatham Annex Base	3,762	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
135	Steel Dynamics Inc. Roanoke Bar Div	3,736	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
136	US Defense Logistics Agency Defense Supply Center Richmond	3,689	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J
137	Ttm Technologies North America, LLC.	3,585	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
138	Bellemeade Power Station	3,540	1860 Commerce Rd	Richmond	Richmond (City)	23224BLLMD1860C
139	Sterilization Services Of Virginia	3,497	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
140	Polynt Composites USA Inc.	3,387	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
141	Koppers Inc. (Roanoke)	3,006	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
142	Allied Aviation Fueling Co Inc.	2,789	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
143	Chemsolv Inc.	2,709	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I
144	Eastman Performance Films, LLC-Plant 1	2,572	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
145	U.S. Amines (Portsmouth) LLC	2,448	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E
146	Ampac Fine Chemicals Virginia, LLC	2,352	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
147	US Navy Joint Expeditionary Little Creek Base	2,341	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
148	Accellent	2,256	200 S. Yorkshire Street	Salem	Roanoke	24153NBLMT200SY
149	U.S. Army Garrison Fort Lee Va - Ranges	2,112	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
150	Menzies Aviation Fueling Operations Wash Dulles International	1,882	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
151	Evonik Industries	1,855	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
152	US Navy Yorktown Naval Weapons Station Base Range	1,846	160 Main Rd	Yorktown	York	2369WSNVYYRUTE2
153	Motiva Fairfax Terminal	1,600	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
154	Rti Martinsville Inc.	1,590	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
155	Cameron Chemical Inc.	1,515	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
156	Tenneco Walker Manufacturing Co	1,387	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
157	Mar-Bal, Inc.	1,368	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
158	Canon Virginia Inc.	1,365	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
159	Howmet Castings & Services Inc.	1,344	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONNEHO
160	Trident Americas	1,135	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
161	Azz Galvanizing-Bristol	1,080	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
162	US Penitentiary Lee	1,071	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI
163	Kinder Morgan Transmix Company, LLC	1,021	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
164	Ir Engraving LLC	1,013	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
165	Pine Products Inc.	962	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
166	US Navy Defense Fuel Support Point Craney Island	921	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
167	Chaparral (Va) Inc.	734	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
168	Newington Concrete Plant	708	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
169	Hutchinson Sealing Systems Inc.	704	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
170	US Navy Naval Air Station Oceana Base	674	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
171	Carpenter Co Richmond Plant	668	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
172	US Navy Joint Expeditionary Fort Story Range	586	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD
173	Virginia Concrete Shirlington Plant	555	2651 Shirlington Road	Arlington	Arlington	22206VRGNC2651S

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
174	Dominion Chemical Co Inc.	510	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
175	Parker Hannifin Integrated Seals Div	501	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
176	Arkema Inc. Franklin Plant	500	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
177	Accutec Blades, Inc.	461	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
178	Tecton Products LLC	434	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
179	Tcs Materials Richmond Plant	427	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
180	Morgan Lumber Company, Inc.	417	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
181	Redland Brick Inc.-Lawrenceville Plant	414	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
182	Sicpa Securink Corp	403	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
183	The Goodyear Tire & Rubber Co.	382	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
184	Virginia Concrete Edsall Road Plant	380	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
185	Virginia Concrete Cochran Mill	358	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
186	US Navy Naval Station Norfolk	353	1530 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
187	Virginia Concrete Dulles Plant	347	44866 Old Ox Road	Sterling	Loudoun	22170VRGNC44866

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
188	Cargill Meat Solutions Inc.	319	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
189	Mehler Engineered Products	303	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
190	Oldcastle Precast Inc.	279	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
191	Virginia Concrete Gainesville Plant	274	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI
192	Bleachtech LLC	265	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
193	US DOD USAF Joint Base Langley Eustis - Langley Afb	260	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
194	Kmx Chemical Corp	255	30474 Energy Dr	New Church	Accomack	23415NWCHRRT709
195	Nordson Xaloy Inc.	255	102 Xaloy Way	Pulaski	Pulaski	24301XLYNC101XA
196	Mxi Environmental Services, LLC	250	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
197	Superior Carriers Inc.	250	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L
198	Virginia Concrete Falls Church Plant	248	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
199	Abb Inc.	248	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
200	Southern Graphic Systems LLC	245	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
201	Owens-Brockway Glass Container Inc. Plant 29	240	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
202	Pre Con Inc.	225	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
203	Univar USA Inc. Chester Facilit Y	217	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
204	Degesch America Inc.	212	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR
205	O-N Minerals (Chemstone) Strasburg Lime Plant	207	1696 Oranda Rd	Strasburg	Shenandoah	22657GLBLS1696O
206	Custom Truck One Source	205	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E
207	Virginia Concrete Spotsylvania Plant	182	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
208	US Army National Guard Ctc Camp Pendleton (Ranges)	181	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
209	Altec Industries, Inc.	154	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
210	O-N Minerals (Chemstone) Winchester Lime Plant	152	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
211	Eastman Performance Films, LLC-Axton Facility	141	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S
212	City Point Energy Center	133	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
213	Valmont-Virginia Galvanizing Inc.	131	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
214	Titan Virginia Ready-Mix LLC-Sterling Plant	130	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
215	U.S. Nasa Gsfc Wallops Flight Facility	124	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
216	US Navy Nwsy Defense Fuel Supply Point Yorktown	118	Fuel Farm Rd	Yorktown	York	23690SNVYDYRKTW
217	Samuel Pressure Vessel Group - Lebanon	109	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
218	Electroplate-Rite Corp	92	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
219	United States Gypsum Co	89	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
220	Capital Concrete Inc.	83	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP
221	Tms International, LLC	74	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
222	Titan Virginia Ready-Mix LLC-Springfield Plant	56	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
223	Titan Virginia Ready-Mix LLC-Campostella Plant	56	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K
224	Mcfarland Cascade Holdings Inc.	52	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
225	Bingham & Taylor	45	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
226	Afeta Camp Peary	41	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
227	Modine Manufacturing Co	39	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
228	Superior Concrete Materials Inc. - Dulles	31	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
229	Arbortech Forest Products, Inc.	30	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR
230	Owens-Brockway Glass Container Inc. Plant 26	29	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
231	Kyanite Mining Corp Mullite Plant	28	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15
232	Mechanicsville Concrete LLC-Airport Plant (Oakleys Lane)	28	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
233	Hoover Treated Wood Products, Inc.	28	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
234	Utility Trailer Mfg. Co.	27	124 Mountain Empire Road	Atkins	Smyth	24311TLTYTSTATE
235	US Navy Norfolk Naval Shipyard	26	Intersection Of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
236	Old Dominion Electric Co-Op Louisa Generation Facility	26	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
237	Old Dominion Electric Co-Op Marsh Run Generation Facility	26	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
238	Daikin Applied	25	207 Laurel Hill Rd	Verona	Augusta	24482SNYDRRT612

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
239	Medeco Security Locks, Inc.	25	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
240	US Dod Warrenton Training Center Station B	24	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
241	Howell Metal Co	23	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE
242	American Buildings Company-La Crosse	23	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
243	Associated Asphalt Roanoke, LLC	22	2677 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015SSCTD2677R
244	Graham-White Manufacturing Co.	21	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
245	Cox Wood Of Virginia	21	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
246	Atlantic Pole & Piling - Newsoms	21	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTRTE67
247	Ttm Technologies Na LLC	20	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
248	Agc Flat Glass Na Abingdon Plant	20	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
249	American Phoenix, Inc.	20	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
250	U.S. Doj Fbi Training Academy	20	Mcb-4 Building 15-Fmu	Quantico	Stafford	22135SDJFBMCB4B
251	Blue Ridge Fiberboard	19	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
252	Utility Trailer Manufacturing Co	18	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
253	Associated Asphalt Bristol, LLC	14	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
254	Commonwealth Galvanizing	14	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
255	Chantilly Ready Mix Concrete	11	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232
256	US Coast Guard Base Portsmouth	11	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
257	Tempur Production USA, Inc.	10	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
258	Sun Chemical Corp	10	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
259	Interbake Foods	10	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
260	Voestalpine High Performance Metals - South Boston Plant	10	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
261	Metalsa Roanoke Inc.	10	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI
262	US Navy Naval Station Norfolk	9	1531 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
263	Brantner & Associates Inc., Dba Te Connectivity Mog	8	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
264	Ge Alstom Richmond Service Center	7	1200 Willis Rd	Richmond	Chesterfield	23237LSTMP1200W
265	Murphy-Brown LLC Waverly Feed Mill	6	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
266	Everbrite, LLC	6	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
267	US Army Garrison Fort Belvoir	6	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA
268	Shamrock Foods Dairy Div Verona Virginia	5	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
269	Ge Drives & Controls	5	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R
270	US Dhs Mt Weather Eoc	4	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
271	Superior Concrete Materials Inc. - Lorton	4	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
272	Associated Asphalt Hopewell, LLC	4	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
273	Falmouth Ready Mix Concrete	4	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR
274	Mecklenburg Power Station	3	204 Cogen Dr	Clarksville	Mecklenburg	23927MCKLN204CO
275	Safety-Kleen Systems Chester (Cva)	3	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
276	Safety-Kleen Systems Vinton (Roa)	3	16090 Stewartville Rd	Vinton	Roanoke	24179SFTYKRTE24
277	Safety-Kleen Systems Manassas (Man)	3	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
278	Manassas Broad Run Ready Mix Concrete	3	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
279	Boxley Materials Company Roanoke Ready Mix Plant	2	3830 Blue Ridge Dr Sw	Roanoke	Roanoke (City)	24019BXLVC383BL
280	Pallet One Of Virginia	2	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
281	W&W-Afco Steel LLC	2	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I
282	Trelleborg Marine Systems USA, Inc.	1	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
283	Bkep Materials, LLC -- Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
284	Amsted Rail Co., Inc.	1	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
285	Branscome-Lee Hall	1	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
286	Branscome-Hampton	1	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
287	Kik (Virginia) LLC	1	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
288	Branscome Inc.- Norfolk Westminster	1	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W
289	Intelligent Platforms, LLC	1	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
290	Cooper Steel	1	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
291	Virginia Paving Alexandria Plant	1	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
292	Virginia Mirror Co Inc.	1	300 S Moss St	Martinsville	Henry	24112VRGNM300MO
293	Virginia Paving Company Occoquan Plant	1	10000 Ox Rd	Lorton	Fairfax	2207WVRGNP1XRDX

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
294	Greystone Of Virginia Inc.	1	7992 Richmond Rd	Toano	James City	23168GRYST7992R
295	Taylor & Boody Inc.	1	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
296	St Tissue LLC	1	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN
297	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
298	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
299	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
300	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
301	U.S. Cbp Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA
302	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
303	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
304	Argos Ready Mix Bryan Park Concrete Plant	0	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
305	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	Winchester	Frederick	2260WTRXWN3229S
306	Concrete Pipe & Precast LLC-Hanover Pipe Plant	0	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
307	Concrete Pipe & Precast LLC-Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
308	Elizabeth River Combustion Turbine Station	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S
309	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
310	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
311	Anchor An Oldcastle Co	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
312	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
313	Columbus Mckinnon Corp	0	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
314	Titan Virginia Ready-Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Virginia Beach (City)	2017WTTNVR4215C
315	Titan Virginia Ready-Mix LLC-Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
316	Flint Group Na Corp	0	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
317	Mechanicsville Concrete LLC-Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
318	Superior Concrete Inc.-Harrisonburg	0	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
319	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
320	Tcs Materials Chester Plant	0	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
321	Virginia Concrete Dumfries Plant	0	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
322	Virginia Concrete - Stephens City	0	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
323	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA
324	Tcs Materials Newport News	0	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE
325	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
326	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
327	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
328	Titan Virginia Ready-Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
329	Virginia Concrete Co Inc.-Chantilly	0	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
330	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME

*Virginia TRI Report – Summary of Data
from 2018 Facility Reports (issued March 2020)*

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
331	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
332	Woodwick Candle	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
333	Amelia Lumber Co Inc.	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951
334	Westover Dairy	0	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
335	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
336	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA
337	Wwf Operating Co	0	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
338	Vpgc LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLRTE42
339	Bear Garden Generating Station	0	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
340	Chesapeake Energy Center	0	2701 Vepco St	Chesapeake	Chesapeake (City)	23323CHSPK2701V
341	Blue Ridge Solvents & Coatings	0	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
342	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
343	Cargill Turkey Production LLC	0	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT
344	Cerro Fabricated Products LLC	0	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR
345	Chemetrics Inc.	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
346	Blue Ridge Wood Preserving Inc.	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
347	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
348	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
349	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
350	Bush Center For Intelligence (CIA)	0	1000 Colonial Farm Rd	Mc Lean	Fairfax	2210WCHDQRRUTES
351	Chemtreat Inc.	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
352	Papco Inc.	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
353	Qpi Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
354	Pugh Lubricants Ashland	0	10992 Leadbetter Rd	Ashland	Hanover	23005PGHLB1992L
355	Prochem, Inc.	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
356	Potomac Supply LLC	0	1398 Kinsale Rd	Kinsale	Westmoreland	22488PTMCSROUTE
357	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
358	Pilgrim's Pride Corp Broadway Facility	0	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
359	Permatile Concrete Products Company	0	100 Beacon Rd	Bristol	Bristol (City)	2420WPRMTL1BEAC
360	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
361	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
362	Quarles Petroleum Inc. Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W
363	Novozymes Biologicals Inc.	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
364	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
365	U.S. Dod Warrenton Training Center Station B	0	7472 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
366	Munters Corporation	0	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG
367	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
368	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N
369	U.S. Dod Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
370	Jci Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
371	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
372	Sabra Dipping Co LLC	0	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA
373	U.S. Army Warrenton Training Center, Station D	0	22129 Confederate Road	Elkwood	Culpeper	2271WSRMWY22129
374	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
375	Toray Plastics (America) Inc.	0	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
376	Tidewater Wood Products, LLC	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
377	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO
378	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
379	Stafford Plant	0	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
380	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
381	Qualichem, Inc. Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
382	Safety-Kleen Systems Chesapeake (Cpk)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
383	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
384	S.L. Williamson Co. Inc. Shop	0	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI
385	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
386	U.S. Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMYJ24LEE
387	Quarles Petroleum Inc. W Inc.hester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
388	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
389	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
390	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
391	Abb Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
392	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
393	Electronic Instrumentation & Technology LLC	0	309 Kellys Ford Plz Se	Leesburg	Loudoun	2017WLCTRN39KEL
394	General Dynamics Mission Systems, Inc.	0	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
395	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
396	Gea Systems DbA LLC (DbA LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
397	Gala Industries In..	0	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
398	Flowserve US Inc.	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
399	Flowserve Corp Lynchburg VA	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
400	Fleetwood Homes Of Virginia Inc. 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA
401	Mitsubishi Chemical Composites America	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
402	Eternal Technology Corp	0	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
403	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH
404	Eit South	0	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA
405	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
406	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPROUTE
407	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greensville	23847CRTVP859IN
408	Continental Automotive Systems Inc.	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
409	Conn-Weld Ind Inc.	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
410	Colonial Circuits Inc.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
411	Cmc Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
412	Fisher Scientific International Mtn Diagnostics Plant	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
413	Industrial Chemicals Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
414	Mennel Milling Co of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
415	Mastic Home Exteriors Stuarts Draft	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
416	Marva Maid Dairy	0	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
417	Marshall Bulk Plant	0	3778 Whiting Rd - Lot 9	Marshall	Fauquier	2011WMRSHL3778W
418	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
419	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
420	Joint Base Langley Eustis-Eustis (Jble-Eustis)	0	705 Washinton Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE
421	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
422	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
423	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931INTRNTRROUTE
424	George's Foods, LLC. Processing Plant	0	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
425	Imperial Group Manufacturing Inc.	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
426	Hunt Country Propane	0	535 Jack Enders Blvd	Berryville	Clarke	2261WHNTCN535JA
427	Hp Hood LLC	0	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
428	Harris Corp - Night Vision	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P

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Rank	Facility Name	Total On-Site Releases (lbs)	Physical Street Address	Post Office City	Actual Physical County or Independent City	Facility ID
429	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
430	Grottoes Plastics Plant	0	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
431	Griffith Energy Services Inc.-Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
432	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
433	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W

Appendix I-2 - 2018 VA TRI Facility Ranking by On-Site Management

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2018 Toxics Release Inventory

APPENDIX I-2 - 2018 VA TRI FACILITY RANKING BY ON-SITE MANAGEMENT

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
1	Honeywell International Colonial Heights Plant	344,200,330	15801 Woods Edge Rd	Colonial Heights	Chesterfield	23832LLDSGEXIT5
2	Ashland Specialty Ingredients Gp	254,955,289	1111 Hercules Rd	Hopewell	Hopewell (City)	23860QLNCM1111H
3	Bae Systems, Ordnance Systems Inc.	33,379,883	Radford Army Ammunition Plant 4050 Peppers Ferry R	Radford	Montgomery	24141RDFRDPOBOX
4	Westrock Virginia Corp (Entire)	27,732,966	104 E. Riverside Street	Covington	Covington (City)	24426WSTVCRIVER
5	International Paper Franklin Mill	15,934,407	34040 Union Camp Dr	Franklin	Isle Of Wight	23851NNCMPHIGHW

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
6	Axalta Coating Systems USA LLC-Front Royal Plant	12,967,507	7961 W Inc.hester Rd	Front Royal	Warren	22630DPNTFPOBOX
7	Westrock Cp, LLC	8,691,678	1901 Main St	West Point	King William	23181CHSPK19THM
8	George'S Chicken LLC	6,564,395	19992 Senedo Rd	Edinburg	Shenandoah	22824RCCFR RTE42
9	Basf Corp	4,797,043	2301 Wilroy Rd	Suffolk	Suffolk (City)	23434LLDCL2301W
10	Ingevity Virginia Corporation	3,891,000	958 E Riverside St	Covington	Covington (City)	2442WNGVTY958ER
11	Advansix Inc. Hopewell Plant	3,623,809	905 E Randolph Rd	Hopewell	Hopewell (City)	23860LLDSGPOBOX
12	Virginia City Hybrid Energy Center	3,072,000	3425 Russell Creek Rd	Saint Paul	Wise	2428WVRGNC3425R
13	Wolverine Advanced Materials	2,963,392	3175 State St	Blacksburg	Montgomery	24060WLVRN3175S

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
14	Intertape Polymer Corp	2,439,457	1101 Eagle Springs Rd	Danville	Pittsylvania	24540NTRTPSTATE
15	Cpfilms, Inc.	2,357,310	345 Beaver Creek Dr	Martinsville	Henry	24112CMMNW345BE
16	Bwxt Nuclear Operations Group, Inc.	2,246,088	1570 Mount Athos Rd	Lynchburg	Campbell	24504BBCKMTATH
17	Tyson Farms Inc.- Temperanceville	2,226,799	11224 Lankford Hwy	Temperanceville	Accomack	23442HLLYFUSHIG
18	Clover Power Station	2,020,000	4091 Clover Rd	Clover	Halifax	24534CLVRPRTE92
19	Dynax America Corp	1,840,956	568 E Park Dr	Roanoke	Botetourt	24019DYNXM568EP
20	Cpfilms - Plant II	1,789,100	4129 The Great Rd	Fieldale	Henry	24089MRTNPRTE68
21	Arkema Inc.	1,701,430	601 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531SRTMR601TI

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
22	Micron Technology Inc.	1,286,000	9600 Godwin Dr	Manassas	Prince William	20110DMNNS9600G
23	O'Sullivan Films Inc.	1,265,483	1944 Valley Ave	Winchester	Winchester (City)	22601SLLVN1944V
24	Wolverine Advanced Materials	1,240,796	201 Industrial Park Rd	Blacksburg	Montgomery	24060WLVRN201IN
25	Birchwood Power Facility	1,079,832	10900 Birchwood Dr	King George	King George	22547BRCHW10900
26	Celanese Acetate LLC - Celco P Lant	1,032,138	3520 Virginia Ave	Narrows	Giles	24124HCHSTRT460
27	U.S. Navy Defense Fuel Support Point Craney Island	836,943	4501 Cedar Ln Bldg 288	Portsmouth	Portsmouth (City)	23703CRNYS4501C
28	Ardagh Metal Packaging USA Inc.	819,000	5022 Hollins Rd	Roanoke	Roanoke (City)	2401WRDGHM522HL

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
29	Tyson Farms Inc. - Processing Facility	806,246	13264 Mountain Rd	Glen Allen	Hanover	20360HLLYF3301U
30	Georgia-Pacific Big Island Mill	774,193	9363 Lee-Jackson Hwy	Big Island	Bedford	24526NKSPCHIGHW
31	Mehler Engineered Products	750,418	175 Mehler Ln	Martinsville	Henry	24112MHLRN175ME
32	Vpgc LLC Hinton Facility	667,046	6349 Rawley Pike Hwy 33 We	Hinton	Rockingham	22831WMPLRUSRT3
33	Perdue Farms Accomac Processing Plant	545,294	22520 Lankford Hwy	Accomac	Accomack	23301PRDNCROUTE
34	Dupont Teijin Films	540,635	3600 Discovery Dr	Chester	Chesterfield	23860CMRCSBERMU
35	Spruance Genco LLC	477,311	5001 Commerce Rd	Richmond	Richmond (City)	23234CGNTR5001C

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
36	Huber Engineered Woods LLC	462,507	1000 Chaney Ln	Crystal Hill	Halifax	24539JMHBRRRT3HW
37	Koppers Inc. (Roanoke)	418,253	4020 Koppers Rd	Salem	Roanoke	24153KPPRSRT460
38	Toray Plastics (America) Inc.	391,389	500 Toray Dr	Front Royal	Warren	22630TRYPL500TO
39	Greif Packaging LLC	364,198	861 Fibre Plant Rd	Amherst	Amherst	24521VRGNFROUTE
40	Wwf Operating Co	362,304	6364 S Valley Pike	Mount Crawford	Rockingham	22841SHNND6364S
41	Sterilization Services Of Virginia	341,625	5674 Eastport Blvd	Richmond	Richmond (City)	23231STRLZ5674E
42	Georgia-Pacific Wood Products LLC - Brookneal Osb	330,000	11795 Brookneal Highway	Gladys	Campbell	24554GRGPCHIGHW

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
43	Merck Sharp & Dohme Corp.	266,178	2778 Se Side Hwy	Elkton	Rockingham	22827MRCKCHIGHW
44	Fujifilm Wako Chemicals USA Corporation	240,200	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
45	Philip Morris USA Park 500 Site	220,408	4100 Bermuda Hundred Rd	Chester	Chesterfield	23831PHLLP4100B
46	Cargill Meat Solutions Inc.	208,078	135 Huffman Dr	Dayton	Rockingham	22821RCCTRROUTE
47	Westrock Cp LLC	202,271	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
48	New Market Poultry LLC	196,900	145 Old East Cross Road	New Market	Shenandoah	2284WNWMRK145LD
49	General Shale Brick Inc. Plant 35 & 36	173,870	2353 Webster Rd	Roanoke	Botetourt	24064GNRLS770WE
50	Volvo Group North America, LLC	173,455	4881 Cougar Trail Road	Dublin	Pulaski	24084VLVGMROUTE

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
51	Spruance Plant	140,130	U.S. Hwy 1 At Cogbill Rd	Richmond	Chesterfield	23234DPNTSUSHIG
52	Yorktown Power Station	135,000	1600 Waterview Rd	Yorktown	York	23692YRKWTW1600W
53	Hp Hood LLC	129,568	160 Hood Way	Winchester	Frederick	22602HPHDX160HO
54	Pilgrim's Pride Corp Broadway Facility	120,996	330 Co-Op Dr	Timberville	Rockingham	22853RCKNGCOOPD
55	Eastman Performance Films, LLC- Plant 1	118,000	4210 The Great Rd	Fieldale	Henry	24089MRTNPROUTE
56	Green Plains Hopewell LLC	99,473	701 S 6Th Ave	Hopewell	Prince George	2386WPPMTT71S6T
57	U.S. Amines (Portsmouth) LLC	96,337	3230 W Norfolk Rd	Portsmouth	Portsmouth (City)	23703CLNSC3230E

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
58	Philip Morris USA Commerce Road Site	92,611	3601 Commerce Rd	Richmond	Richmond (City)	23234PHLLP3601C
59	Alliant Techsystems Operations LLC (New River Energetics)	92,363	Rt 114 Radford Army Ammunition Plant	Radford	Montgomery	24141NWRVRRTE11
60	George'sFoods, LLC. Processing Plant	90,253	501 N Liberty St	Harrisonburg	Rockingham	22801HLLYF501NO
61	Westrock Cp, LLC	87,520	910 Industrial St	Hopewell	Hopewell (City)	23860STNHP910IN
62	Sabra Dipping Co LLC	83,130	15900 Sabra Way	Colonial Heights	Chesterfield	2383WSBRDP159SA
63	Ashland Specialty Ingredients Gp	76,837	1111 Hercules Rd -	Hopewell	Hopewell (City)	23860QLNCM1111H

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
64	Canon Virginia Inc.	59,305	12000 Canon Blvd	Newport News	Newport News (City)	23606CNNVR12000
65	Millercoors-Shenandoah	52,436	5135 S Eastside Hwy	Elkton	Rockingham	22827DLPHCRROUTE
66	Masco Cabinetry	50,147	1325 Industrial Park Rd	Mount Jackson	Shenandoah	22842MRLLTSTATE
67	Evonik Industries	44,489	914 E Randolph Rd	Hopewell	Hopewell (City)	23860GLDSC914ER
68	Ttm Technologies Na LLC	41,816	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
69	Redland Brick Inc.-Lawrenceville Plant	41,398	16024 Governor Harrison Pkwy	Lawrenceville	Brunswick	23868BRCKTHWY58
70	Cerro Fabricated Products LLC	40,296	300 Triangle Dr	Weyers Cave	Augusta	24486CRRMT300TR

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
71	Shamrock Foods Dairy Div Verona Virginia	39,835	318 Mill Pl Pkwy	Verona	Augusta	2448WSHMRC318MI
72	Howmet Castings & Services Inc.	38,258	One Howmet Dr	Hampton	Hampton (City)	23661HWMTCONELHO
73	Tecton Products LLC	36,982	5415 Corporate Cir	Salem	Roanoke	24153TCTNP5415C
74	Marva Maid Dairy	34,624	5500 Chestnut Ave	Newport News	Newport News (City)	23605MRVMD5500C
75	Valley Proteins Inc. Linville Facility	33,957	6230 Kratzer Rd	Linville	Rockingham	22834VLLYP623KR
76	Accellent	27,584	200 S. Yorkshire Street	Salem	Roanoke	24153NBLMT200SY
77	The Lycra Company LLC	23,000	400 Du Pont Blvd	Waynesboro	Augusta	22980DPNTWDUPON

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
78	Danchem Technologies Inc.	21,000	1975 Old Richmond Rd	Danville	Pittsylvania	24540DNRVRSTATE
79	Qg Printing Li Corp	20,825	160 Century Ln Stonewall Ind Us Trial Park	Winchester	Frederick	22603QBCRW16CEN
80	Carry-On Trailer Corp	18,175	159 Industrial Park Rd	Montross	Westmoreland	22520CRRYN159IN
81	Fujifilm Wako Chemicals USA Corp	13,000	1600 Bellwood Rd	Richmond	Chesterfield	23237WKCHM1600B
82	Georgia Pacific Wood Products LLC Emporia Plywood	12,900	634 Davis St	Emporia	Greensville	23847GRGPCDAVIS
83	U.S. Navy Nwsy Defense Fuel Supply Point Yorktown	12,230	Fuel Farm Rd	Yorktown	York	23690SNVYDYRKTW

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
84	Lsc Communications / Strasburg	11,319	One Shenandoah Valley Dr	Strasburg	Shenandoah	22657SHNNDROUTE
85	Westover Dairy	11,162	2801 Fort Ave	Lynchburg	Lynchburg (City)	24501WSTVR2801F
86	Menzies Aviation Fueling Operations Wash Dulles Internationa	7,725	Tank Farm Rd Building 2	Sterling	Loudoun	20166RBPXXBUILD
87	Kinder Morgan Transmix Company, LLC	2,820	3302 Deepwater Terminal Rd	Richmond	Richmond (City)	23234PRMRY3302D
88	Pre Con Inc.	1,890	220 S Perry St	Petersburg	Petersburg (City)	23803PRCNN220SP
89	Virginia Transformer Corp.	965	220 Glade View Dr Ne	Roanoke	Roanoke	24012VRGNT220GL

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
90	U.S. Navy Naval Air Station Oceana Base	833	1750 Tomcat Blvd	Virginia Beach	Virginia Beach (City)	23460SNVLROCEAN
91	Aquatic Co	684	1100 Industrial Park Rd Halifax Industrial Park	South Boston	Halifax	24592PHLPSPPOBOX
92	U.S. Nasa Gsfc Wallops Flight Facility	363	34200 Fulton Street	Wallops Island	Accomack	23337SNSGDWALLO
93	Grottoes Plastics Plant	224	149 Grand Caverns Dr	Grottoes	Augusta	24441RYNLDCAVER
94	Eternal Technology Corp	100	1800 Touchstone Rd	Colonial Heights	Chesterfield	23834TRNLT18TUC
95	Capital Concrete Inc.	83	400 Stapleton St	Norfolk	Norfolk (City)	2350WCPTLC4STAP

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
96	Owens-Brockway Glass Container Inc. Plant 26	16	150 Industrial Blvd	Toano	James City	23168WNSLL150IN
97	Strongwell Corporation-Bristol	2	400 Commonwealth Ave.	Bristol	Washington	24203MRRSN400CO
98	Strongwell Corp Highlands Div	1	26770 Newbanks Rd	Abingdon	Washington	24210STRNG26770
99	Bkep Materials, LLC -- Newport News Va	1	801 Terminal Ave	Newport News	Newport News (City)	23607KCHPT801TE
100	Anheuser-Busch LLC	0	7801 Pocahontas Trail	Williamsburg	James City	23185NHSRB7801P
101	Huntington Ingalls Inc.	0	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
102	Greystone Of Virginia Inc.	0	7992 Richmond Rd	Toano	James City	23168GRYST7992R
103	Griffin Pipe Products Co	0	10 Adams St	Lynchburg	Lynchburg (City)	24505GRFFNADAMS
104	Griffith Energy Services Inc.- Berryville	0	618 E Main St	Berryville	Clarke	22611CLRKC618EM
105	Appalachian Plastics Inc.	0	34001 Glove Dr	Glade Spring	Washington	24340PPLCHPOBOX
106	Guardian Fabrication, LLC - Plant 2	0	110 Jack Guynn Dr	Galax	Galax (City)	24333CNSLD110JA
107	Ardent Mills, LLC	0	1900 Industry Dr	Culpeper	Culpeper	2270WRDNTM19IND
108	Harris Corp - Night Vision	0	7635 Plantation Rd	Roanoke	Roanoke	24019TTLCT7635P
109	Hoover Treated Wood Products, Inc.	0	18315 House Dr	Milford	Caroline	22514HVRTRCAROL
110	Howell Metal Co	0	574 Depot Rd	New Market	Shenandoah	22844HWLLM574DE

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
111	Anchor An Oldcastle Co	0	16326 Ind Us Trial Dr	Milford	Caroline	22514MRCNS16326
112	Amsted Rail Co Inc.	0	2580 Frontage Rd	Petersburg	Petersburg (City)	23804BRNCNPETER
113	Ampac Fine Chemicals Virginia, LLC	0	2820 N Normandy Drive	Petersburg	Petersburg (City)	23805LLBRT2999F
114	Hunt Country Propane	0	535 Jack Enders Blvd	Berryville	Clarke	2261WHNTCN535JA
115	Cooper Steel	0	275 Francis Ave	Monroe	Amherst	24574LYNCHRT29N
116	Hapco	0	26252 Hillman Highway	Abingdon	Washington	2421WHPCXX26252
117	Associated Asphalt Roanoke, LLC	0	2677 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015SSCTD2677R
118	Banker Steel Company, LLC	0	351 Rangoon Road	Lynchburg	Campbell	2450WBNKRS351RA

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
119	Banker Steel Company, LLC	0	1619 Wythe Rd	Lynchburg	Lynchburg (City)	24502MNTGB1619W
120	Ball Metal Beverage Container Corp	0	8935 Pocahontas Trail James River Commerce Center	Williamsburg	James City	23185BLLPC8935P
121	Ball Advanced Aluminum Technologies Corp	0	56 Dunsmore Rd	Verona	Augusta	24482NMNSLLAURE
122	Bae Systems Norfolk Ship Repair	0	750 W Berkley Ave	Norfolk	Norfolk (City)	23501NRFLKFOOTO
123	George's Foods LLC Feed Mill	0	61 Kratzer Rd	Harrisonburg	Harrisonburg (City)	22801RCCFDPOBOX
124	Arbortech Forest Products, Inc.	0	500 Dearing Avenue	Blackstone	Nottoway	2382WRBRTC5DEAR

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
125	Atlantic Pole & Piling - Newsoms	0	21366 General Thomas Hwy	Newsoms	Southampton	23874TLNTECRTE67
126	Huntington Ingalls Incorporated	0	4101 Washington Ave	Newport News	Newport News (City)	23607NWPRT4101W
127	Associated Asphalt Hopewell LLC	0	410 Water St	Hopewell	Hopewell (City)	2386WSSCTD41WAT
128	Associated Asphalt Bristol, LLC	0	10 Spurgeon Lane	Bristol	Bristol (City)	2420WSSCTD1SPUR
129	Gordonsville Power Station	0	819 Hill Rd	Gordonsville	Louisa	22942GRDNS115RE
130	Graham-White Manufacturing Co.	0	1242 Colorado St	Salem	Roanoke	24153GRHMW1242C
131	Great Southern Wood - Va, Inc.	0	1050 N Main St	Rocky Mount	Franklin	24151RCKYTNORTH

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
132	Arkema Inc. Franklin Plant	0	27047 Shady Brook Trail	Courtland	Southampton	2383WRKMNC2747S
133	Argos Ready Mix Bryan Park Concrete Plant	0	4607 Racrete Rd	Richmond	Henrico	23230RDYMX457RA
134	Azz Galvanizing-Bristol	0	14781 Industrial Park Rd	Bristol	Washington	24201VSBRS795IN
135	Afeta Camp Peary	0	1100 Executive Drive	Williamsburg	York	2318WFTCMP11EXE
136	American Phoenix Inc.	0	121 Martha St	Danville	Danville (City)	2454WMRCNP121MA
137	Jti Leaf Services (US) LLC	0	202 Stinson Drive	Danville	Pittsylvania	2454WJTLFS22STI
138	Kaiser Aluminum Fabricated Products LLC	0	1901 Reymet Rd	Richmond	Chesterfield	23237RYNLD1901R

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
139	Kik (Virginia) LLC	0	27 Mill Ln	Salem	Roanoke	24153THDLC27MIL
140	Agc Flat Glass Na Abingdon Plant	0	18370 Oak Park Dr	Abingdon	Washington	24210FGCTN1837A
141	Kingspan Insulation LLC	0	172 Pactiv Way	Winchester	Frederick	22601MCFMPROUTE
142	Akzo Nobel Coatings Inc.	0	2837 Roanoke Ave Sw	Roanoke	Roanoke (City)	24015RLNCN2837R
143	Kmx Chemical Corp	0	30474 Energy Dr	New Church	Accomack	23415NWCHRRT709
144	Johns Manville Corp Hamilton Plant	0	7400 Ranco Rd	Richmond	Henrico	23228MNVLL7400R
145	Accutec Blades, Inc.	0	57 Razor Blade Ln	Verona	Augusta	24482MRCNSRAZOR
146	Abb Inc.	0	2135 Philpott Rd	South Boston	Halifax	24592WSTNGHIGHW
147	Kyanite Mining Corp Mullite Plant	0	5836 Buffalo Road	Dillwyn	Buckingham	23936KYNTMRTE15

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
148	Ladysmith Combustion Turbine Station	0	8063 Cedon Rd	Woodford	Caroline	22580LDYSM863CE
149	Lhoist Na Of Virginia Inc. Kimballton Area 1	0	2093 Big Stony Creek Rd	Ripplemead	Giles	24150CHMCL2093B
150	Lsc Communications / Harrisonburg N	0	2347 Kratzer Rd	Harrisonburg	Rockingham	22801RRDNN1400K
151	Lsc Communications / Lynchburg	0	4201 Murray Pl	Lynchburg	Lynchburg (City)	24506MRDTH4201M
152	Kinyo Virginia Inc.	0	290 Enterprise Dr	Newport News	Newport News (City)	23603KNYVR290EN
153	Amelia Lumber Co Inc.	0	8680 Crowder St	Amelia Court House	Amelia	23002MLLMB16951

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
154	Hutchinson Sealing Systems Inc.	0	1150 S Third St	Wytheville	Wythe	24382KNGST1150S
155	Imperial Group Manufacturing Inc.	0	4969 Stepp Place	Dublin	Pulaski	2408WMPRLG4969S
156	Industrial Chemicals Inc.	0	2540 Bellwood Rd	Richmond	Chesterfield	23237NDLCH2540B
157	American Gfm Corp	0	1200 Cavalier Blvd	Chesapeake	Chesapeake (City)	23323MRCNG1200C
158	Intelligent Platforms, LLC	0	2500 Austin Drive	Charlottesville	Albemarle	22901GFNCTUS29N
159	Interbake Foods	0	200 Baker Plaza	Front Royal	Warren	2263WNTRBK2BAKE
160	Joint Base Langley Eustis-Eustis (Jble-Eustis)	0	705 Washington Blvd	Fort Eustis	Newport News (City)	23604SDDSRFORTE

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
161	American Buildings Company-La Crosse	0	501 Golden Eagle Dr	La Crosse	Mecklenburg	23950MRCNB51GLD
162	Gea Systems DbA LLC (DbA LLC Dowty Propellers)	0	114 Powers Ct	Sterling	Loudoun	20166SMTHS114PW
163	Altec Industries, Inc.	0	325 South Center Drive	Daleville	Botetourt	2408WLTCND325SU
164	Ir Engraving LLC	0	5901 Lewis Rd	Sandston	Henrico	23150RNTRN5901L
165	James Hardie Building Products Pulaski	0	1000 James Hardie Way	Pulaski	Pulaski	24301JHBPP1JAME
166	Jci Jones Chemicals Inc.	0	16248 Industrial Dr	Milford	Caroline	22514JNSCHRT640
167	Jewell Coke Co Lp	0	1034 Dismal River Rd	Oakwood	Buchanan	24656JWLLCHWY46

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
168	Allied Aviation Fueling Co Inc.	0	Ronald Reagan National Airport	Arlington	Arlington	22202GDNVTRONAL
169	Aleris Rolled Products Inc.	0	1701 Reymet Rd	Richmond	Chesterfield	23237TRNST1801R
170	International Cold Storage	0	5678 Heards Mountain Rd	Covesville	Albemarle	22931INTRNROUTE
171	Brantner & Associates Inc., Dba Te Connectivity Mog	0	751 Old Brandy Rd	Culpeper	Culpeper	22701THRCH751OL
172	Conn-Weld Ind Inc.	0	New Bern Rd State Rd 682	Dublin	Pulaski	24084CNNWLNEWBE
173	Continental Automotive Systems Inc.	0	615 Bland Blvd	Newport News	Newport News (City)	23602LLDSG615BL
174	Cargill Turkey Production LLC	0	1 Kratzer Ave	Harrisonburg	Harrisonburg (City)	22802RCCFR1KRAT

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
175	Cardinal Glass	0	2132 Cardinal Park Dr	Vinton	Roanoke	2417WCRDNL2132C
176	Cameron Chemical Inc.	0	830 Old Dill Rd.	Suffolk	Suffolk (City)	2343WCMRNC83LDD
177	Bush Center For Intelligence (Cia)	0	1000 Colonial Farm Rd	McLean	Fairfax	2210WCHDQRRUTES
178	General Dynamics Mission Systems, Inc.	0	150 Johnston Rd	Marion	Smyth	24354BRNSW150JO
179	Bren Mar	0	6315 Bren Mar Dr	Alexandria	Fairfax	2231WBRNMR6315B
180	Concrete Pipe & Precast LLC Chesapeake Plant	0	3801 Cook Blvd	Chesapeake	Chesapeake (City)	23323HNSNP381CK
181	Creative Playthings Ltd.	0	859 Industrial Dr	Emporia	Greensville	23847CRTVP859IN

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
182	Culpeper Wood Preservers	0	15487 Braggs Corner Rd	Culpeper	Culpeper	22701CLPPRRROUTE
183	Branscome-Lee Hall	0	9393 Merrimac Trail	Williamsburg	James City	23185BRNSC9393M
184	Branscome-Hampton	0	1922 W Pembroke Ave	Hampton	Hampton (City)	23661BRNSC1922W
185	Custom Truck One Source	0	12660 E Lynchburg Salem Tpke	Forest	Bedford	2455WCSTMT1266E
186	Daikin Applied	0	207 Laurel Hill Rd	Verona	Augusta	24482SNYDRRT612
187	Cox Wood Of Virginia	0	2960 Cox Rd	Blackstone	Nottoway	23824TYLRRHIGHW
188	Carpenter Co Richmond Plant	0	2400 Jefferson Davis Hwy	Richmond	Richmond (City)	23234RCRPN2400J
189	Chemsolv Inc.	0	1140 Industry Ave Se	Roanoke	Roanoke (City)	24013CHMSL1140I

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
190	Chemtreat Inc.	0	10040 Lickinghole Rd	Ashland	Hanover	23005CHMTR500LI
191	Chesapeake Energy Center	0	2701 Vepco St	Chesapeake	Chesapeake (City)	23323CHSPK2701V
192	Chesterfield Power Station	0	500 Coxendale Rd	Chester	Chesterfield	23836CHSTR500CO
193	Chaparral (Va) Inc.	0	25801 Hofheimer Way	Petersburg	Dinwiddie	23803CHPRR25801
194	Church & Dwight Co Inc.	0	1851 Touchstone Rd	Colonial Heights	Chesterfield	23834LDNCR16101
195	Concrete Pipe & Precast LLC- Hanover Pipe Plant	0	10350 Design Rd	Ashland	Hanover	2300WMRCST135DE
196	Chantilly Ready Mix Concrete	0	25232 Willard Road	Chantilly	Loudoun	2015WCHNTL25232

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
197	Concrete Pipe & Precast LLC-Ashland Precast Plant	0	11352 Virginia Precast Rd	Ashland	Hanover	2300WSSRCM312MI
198	Cmc Rebar	0	9434 Crossroads Pkwy	Fredericksburg	Spotsylvania	22408SMRBR9434C
199	Cmc Rebar Va King George	0	10924 Dennis W Kerns Pkwy	King George	King George	2248WCMCRB1924D
200	Colonial Circuits Inc.	0	1026 Warrenton Rd	Fredericksburg	Stafford	22405CLNLC1026W
201	Colonna's Shipyard Inc.	0	400 E Indian River Rd	Norfolk	Norfolk (City)	23523CLNNS400EI
202	Columbus Mckinnon Corp	0	22364 Jeb Stuart Hwy	Damascus	Washington	24236CLMBSRTE1B
203	Commonwealth Galvanizing	0	10988 Leadbetter Rd	Ashland	Hanover	2300WCMMNW1988L
204	Degesch America Inc.	0	153 Triangle Dr	Weyers Cave	Augusta	24486DGSCH275TR

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
205	City Point Energy Center	0	912 E Randolph Rd	Hopewell	Hopewell (City)	23860JMSRV912ER
206	Bellwood Printing Plant	0	2001 Reymet Rd	Richmond	Chesterfield	23237BLLWD2001R
207	Branscome Inc.-Norfolk Westminster	0	3425 Westminster Ave	Norfolk	Norfolk (City)	23504BRNSC3425W
208	Bingham & Taylor	0	601 Nalle Pl	Culpeper	Culpeper	2270WBNGHM61NAL
209	Fiberglass Engineering Co	0	5019 Airport Rd	Midland	Fauquier	22728FBRGLWARRE
210	Fisher Scientific International Mtn Diagnostics Plant	0	8365 Valley Pike	Middletown	Frederick	22645FSHRD8365V
211	Fleetwood Homes Of Virginia Inc. 19-2	0	90 Weaver St	Rocky Mount	Franklin	24151FLTWD90WEA

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
212	Flint Group Na Corp	0	106 Triangle Dr	Weyers Cave	Augusta	24486CPTLPSTATE
213	Falmouth Ready Mix Concrete	0	301 Warrenton Road	Falmouth	Stafford	2240WFLMTH31WAR
214	Flowserve US Inc.	0	3900 Cook Blvd	Chesapeake	Chesapeake (City)	23323NGRSL3900C
215	Everbrite LLC	0	627 E 30Th St	Buena Vista	Buena Vista (City)	24416VRBRT627EA
216	Bellemeade Power Station	0	1860 Commerce Rd	Richmond	Richmond (City)	23224BLLMD1860C
217	Bear Garden Generating Station	0	2608 C.G. Woodson Road	New Canton	Buckingham	2312WBRGRD268CG
218	Gala Industries Inc.	0	181 Pauley St	Eagle Rock	Botetourt	24085GLNDSRFD2B
219	Ge Alstom Richmond Service Center	0	1200 Willis Rd	Richmond	Chesterfield	23237LSTMP1200W
220	Ge Drives & Controls	0	1501 Roanoke Blvd	Salem	Salem (City)	24153DRVSY1501R

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
221	Bassett Plant 11	0	Patriot Centre At Beaver Creek	Martinsville	Henry	24112BSSTTPATRI
222	Chemetrics Inc.	0	4295 Catlett Rd	Midland	Fauquier	20138CHMTR4295C
223	Flowserve Corp Lynchburg Va	0	5114 Woodall Rd	Lynchburg	Lynchburg (City)	24502LMTRQ5114W
224	Eaton Corporation - Williamsburg Manufacturing	0	149 Warwick Court	Williamsburg	York	2318WTNCRP149WA
225	Gemini-Farmville	0	102 Hauschild Dr	Farmville	Cumberland	23901GMNFR12HAU
226	Dominion Chemical Co Inc.	0	2050 Puddledock Rd	Petersburg	Petersburg (City)	23803DMNNC2050P
227	Doswell Lp	0	10098 Old Ridge Rd	Ashland	Hanover	23005DSWLL10098

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
228	Boxley Materials Company Roanoke Ready Mix Plant	0	3830 Blue Ridge Dr Sw	Roanoke	Roanoke (City)	24019BXLYC383BL
229	Bondcote Corp	0	509 Burgis Ave	Pulaski	Pulaski	24301WSTPNBURGI
230	Blue Ridge Wood Preserving Inc.	0	1220 Hendricks Store Rd	Moneta	Bedford	24523SMTHMPOBOX
231	Federal Mogul Powertrain LLC.	0	300 Industrial Park Rd Se	Blacksburg	Montgomery	24060FDRLMRT460
232	Blue Ridge Solvents & Coatings	0	3800 Original Henry Rd	Henry	Franklin	24102BLRDGSTATE
233	Davis-Frost Inc.	0	3416 Candler Mountain Rd	Lynchburg	Lynchburg (City)	24506DVSPN3420C
234	Eit South	0	350 Slayton Avenue	Danville	Danville (City)	2454WLCTRN35SLA

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
235	Electronic Instrumentation & Technology LLC	0	309 Kellys Ford Plz Se	Leesburg	Loudoun	2017WLCTRN39KEL
236	Blue Ridge Fiberboard	0	250 Celotex Dr	Danville	Pittsylvania	24543WDFBRMASON
237	Electroplate-Rite Corp	0	5529 Lee Hwy	Dublin	Pulaski	24084LCTRPUSRTE
238	Elizabeth River Combustion Turbine Station	0	2837 S Military Hwy	Chesapeake	Chesapeake (City)	23323CMMNW2837S
239	Ennis-Flint Richmond	0	4400 Vawter Ave	Richmond	Henrico	23222DGLSC4400V
240	Bleachtech LLC	0	2020 Bessemer Rd	Petersburg	Petersburg (City)	23805BLCHT22BES
241	Eastman Performance Films, LLC-Axton Facility	0	47 Brenda Dr	Axton	Henry	24054CMMNWRT58S

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
242	United States Gypsum Co	0	1424 S Main St	Norfolk	Norfolk (City)	23523NTDST1001B
243	U.S. Defense Logistics Agency Defense Supply Center Richmond	0	8000 Jefferson Davis Hwy	Richmond	Chesterfield	23297DFNSG8000J
244	Titan Virginia Ready-Mix LLC-Sterling Plant	0	22963 Concrete Plaza	Sterling	Loudoun	2016WTTNVR22963
245	Tms International, LLC	0	25805 Hofheimer Way	Petersburg	Dinwiddie	23803MSDVT2585H
246	Trelleborg Marine Systems USA, Inc.	0	532 Jack Enders Blvd	Berryville	Clarke	2261WTRLLB532JA
247	Trex - Virginia Manufacturing Operations	0	3229 Shawnee Drive	W Inc.hester	Frederick	2260WTRXWN3229S

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
248	Trident Americas	0	833 Liberty Way	Chester	Chesterfield	23836KTNGR833LI
249	Ttm Technologies North America, LLC.	0	1200 Severn Way	Dulles	Loudoun	22170TMTNC1200S
250	Tyson Farms Inc. - Feed Mill	0	1938 Patrick Henry Hwy	Jetersville	Nottoway	23083HLLYFUSHWY
251	U.S. Army Garrison Fort Lee Va - Ranges	0	825, 19Th Street, Bldg 6005	Fort Lee	Prince George	23801SRMYC3901A
252	Titan Virginia Ready-Mix LLC-Springfield Plant	0	6600 Electronic Dr	Springfield	Fairfax	22151STHRN6600E
253	U.S. Doj Fbi Training Academy	0	Mcb-4 Building 15-Fmu	Quantico	Stafford	22135SDJFBMCB4B

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
254	Titan Virginia Ready-Mix LLC-Port Norfolk Plant	0	101 Chautauqua Ave	Portsmouth	Portsmouth (City)	2370WTTNVR11CHA
255	Univar USA Inc. Chester Facility	0	1001 Old Bermuda Hundred Rd	Chester	Chesterfield	23836PRLLM1001O
256	Upaco Adhesives Inc.	0	4105 Castlewood Rd	Richmond	Richmond (City)	23234PCDHS4105C
257	U.S. Army Fort Ap Hill Garrison (Part)	0	19952 N Range Rd	Bowling Green	Caroline	22427SRMYF18902
258	U.S. Army Fort Ap Hill Ranges (Part)	0	19952 North Range Rd	Bowling Green	Caroline	22427SRMYF18902
259	U.S. Army Garrison Fort Belvoir	0	9430 Jackson Loop	Fort Belvoir	Fairfax	2206WSRMYF943JA

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
260	U.S. Army Joint Base Myer-Henderson Hall Garrison Ops (Part)	0	204 Lee Ave	Fort Myer	Arlington	2221WSRMJ24LEE
261	U.S. Army National Guard Ctc Camp Pendleton (Ranges)	0	203 Red Horse Drive	Virginia Beach	Virginia Beach (City)	2345WCTCCM23RED
262	U.S. Army National Guard Fort Pickett (Installation)	0	U.S. Pfo Building 316 Fort Pickett	Blackstone	Nottoway	23824SRMYM316RI
263	U.S. Cbp Canine Training Facility Firing Range #Va0040	0	828 Harmony Hollow Rd	Front Royal	Warren	22630SCSTM828HA

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
264	Stella Jones Corp-Goshen Facility	0	9223 Maury River Rd	Goshen	Rockbridge	24439THBRKSTATE
265	U.S. Army Warrenton Training Center, Station D	0	22129 Confederate Road	Elkwood	Culpeper	2271WSRMW22129
266	Tcs Materials Richmond Plant	0	2100 Deepwater Terminal Road	Richmond	Richmond (City)	2322WTCSMT21DEE
267	Mica Co Of Canada Inc.	0	900 Jefferson Ave	Newport News	Newport News (City)	23607MCCMP900JE
268	Sun Chemical Corp	0	16000 Continental Blvd	Colonial Heights	Colonial Heights (City)	23834SNCHM16000
269	Sunlite Plastics Inc.	0	846 Keezletown Rd	Weyers Cave	Augusta	24486SNLGHROUTE
270	Super Radiator Coils	0	451 Southlake Blvd	Richmond	Chesterfield	23236SPRRD451SO

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
271	Superior Carriers Inc.	0	4625 Lee Hwy	Marion	Smyth	2435WSPRFL4625L
272	Superior Concrete Inc.- Harrisonburg	0	1526 County Club Rd	Harrisonburg	Rockingham	2280WSPRRC1526C
273	Superior Concrete Materials Inc. - Dulles	0	44146 Wade Dr	Chantilly	Loudoun	2015WSPRRC44146
274	Superior Concrete Materials Inc. - Lorton	0	8420 Terminal Rd	Lorton	Fairfax	2207WSPRRC842TE
275	Taylor & Boody Inc.	0	8 Hewitt Rd	Staunton	Augusta	24401TYLRB8HEWE
276	Titan Virginia Ready-Mix LLC-Stafford Plant	0	48 Powell Ln	Falmouth	Stafford	2240WTTNVR48PWE
277	Tcs Materials Newport News	0	700 Shields Rd	Newport News	Newport News (City)	2318WTCSMT7SHIE

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
278	U.S. Dhs Mt Weather Eoc	0	19844 Blue Ridge Mountain Rd	Bluemont	Loudoun	20135SDHSM19844
279	Tempur Production USA Inc.	0	203 Tempurpedic Dr	Duffield	Scott	24244TMPRP4700B
280	Tenneco Walker Manufacturing Co	0	3160 Abbott Ln	Harrisonburg	Harrisonburg (City)	22801WLKRM3160A
281	The Goodyear Tire & Rubber Co.	0	1901 Goodyear Blvd	Danville	Danville (City)	24541THGDY1435G
282	Tidewater Wood Products, LLC	0	5604 City Line Rd	Hampton	Hampton (City)	23661CMMNW5604C
283	Titan Virginia Ready-Mix LLC- Campostella Plant	0	2125 Kimball Terrace	Norfolk	Norfolk (City)	2350WTTNVR2125K

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
284	Titan Virginia Ready-Mix LLC-Centreville Plant	0	15718 Lee Highway	Centreville	Fairfax	2202WTTNVR15718
285	Titan Virginia Ready-Mix LLC-Clear Brook Plant	0	1383 Brucetown Rd	Clear Brook	Frederick	2262WTTNVR1383B
286	Titan Virginia Ready-Mix LLC-Dumfries Plant	0	3454 Canal Rd	Dumfries	Prince William	2202WTTNVR3454C
287	Titan Virginia Ready-Mix LLC-Leesburg Plant	0	42105 Cochran Mill Rd	Leesburg	Virginia Beach (City)	2017WTTNVR4215C
288	Titan Virginia Ready-Mix LLC-Oceana Plant	0	160 Oceana Blvd.	Virginia Beach	Virginia Beach (City)	2345WTTNVR16CEA

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
289	Tcs Materials Chester Plant	0	12020 Old Stage Road	Chester	Chesterfield	2383WTCSMT122LD
290	Virginia Paving Alexandria Plant	0	5601 Courtney Avenue	Alexandria	Alexandria (City)	2230WTHLNC561CU
291	U.S. Coast Guard Base Portsmouth	0	4000 Coast Guard Blvd	Portsmouth	Portsmouth (City)	23701SDTSC4000C
292	Virginia Concrete Dumfries Plant	0	217 Canal Rd	Dumfries	Prince William	2202WVRGNC217CA
293	Virginia Concrete Edsall Road Plant	0	5412 Industrial Dr	Springfield	Fairfax	22151VRGNC6995E
294	Virginia Concrete Falls Church Plant	0	7103 Gordon Rd	Falls Church	Falls Church (City)	22043VRGNC7103G
295	Virginia Concrete Gainesville Plant	0	7300 Rail Line Ct	Gainesville	Prince William	2015WVRGNC73RAI

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
296	Virginia Concrete Shirlington Plant	0	2651 Shirlington Road	Arlington	Arlington	22206VRGNC2651S
297	Virginia Concrete Spotsylvania Plant	0	6110 Smith Station Road	Fredericksburg	Spotsylvania	2240WVRGNC611SM
298	Virginia Concrete Woodbridge Plant	0	936 Annapolis Way	Woodbridge	Prince William	2219WVRGNC936AN
299	Virginia Marble Manufacturers Inc.	0	1201 5Th Ave	Kenbridge	Lunenburg	23944VRGNMPOBOX
300	Virginia Concrete Cochran Mill	0	42574 Cochran Mill Rd	Leesburg	Loudoun	2017WVRGNC42574
301	Virginia Mirror Co Inc.	0	300 S Moss St	Martinsville	Henry	24112VRGNM300MO

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
302	Virginia Concrete Co Inc.-Chantilly	0	25086 Tanner Ln	Chantilly	Loudoun	2015WVRGNC2586T
303	Virginia Paving Company Occoquan Plant	0	10000 Ox Rd	Lorton	Fairfax	2207WVRGNP1XRDX
304	Virginia Transformer Corp	0	201 Transformer Way	Troutville	Botetourt	2417WVRGNT21TRA
305	Voestalpine High Performance Metals - South Boston Plant	0	2306 Eastover Dr	South Boston	Halifax	24592CKCMPSTATE
306	Vpgc LLC Broadway Feedmil	0	410 S Main St	Broadway	Rockingham	22815WMPLRRTE42
307	W&W-Afco Steel LLC	0	15083 Industrial Park Rd	Bristol	Washington	24202CRLNS1583I

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
308	Webb Enterprises LLC American Mirror	0	602 E Stuart Dr	Galax	Galax (City)	24333MRCNMPOBOX
309	Westrock / Seven Hills LLC	0	1801 Concord Turnpike	Lynchburg	Lynchburg (City)	24505MDPPR1801C
310	Wheelabrator Abrasives Inc.	0	1 Abrasive Ave	Bedford	Bedford	24523WHLBR1ABRA
311	Woodwick Candle	0	200 Toy Lane	Blairs	Pittsylvania	2455WSMTHM1DILL
312	Yokohama Tire Manufacturing Virginia LLC	0	1500 Indiana St	Salem	Roanoke	24153MHWKR1500I
313	Virginia Marble Manufacturers Inc.	0	Corner Of Brunswick & Oak St	Kenbridge	Lunenburg	23944VRGNMCORNE

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
314	U.S. Navy Norfolk Naval Shipyard	0	Intersection Of Effingham St & George Washington H	Portsmouth	Portsmouth (City)	23709SDDSNINTER
315	U.S. Dod U.S.A.F. Joint Base Langley EUSTis - Langley Afb	0	633 Ces/Ceie 37 Sweeney Blvd	Langley Afb	Hampton (City)	23665SRFRC1CESC
316	US Dod Warrenton Training Center Station B	0	7471 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B
317	US Dod Warrenton Training Center Station B	0	7472 Bear Wallow Rd	Warrenton	Fauquier	2018WSDDSR7471B

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
318	U.S. Dod Warrenton Training Center Station C Range	0	7248 Sumerduck Rd	Remington	Fauquier	2273WSDDSR7248S
319	U.S. Marine Corps Base Quantico	0	3250 Catlin Ave	Quantico	Prince William	22134SDDSM3040M
320	U.S. Navy Cheatham Annex Base	0	108 Sanda Ave Bldg 270	Williamsburg	York	23185SNVYC18SAN
321	U.S. Navy Fleet Combat Training Center Atl Dam Neck Base	0	1912 Regulus Ave	Virginia Beach	Virginia Beach (City)	23461SNVYF1912R
322	U.S. Navy Joint Expeditionary Fort Story Range	0	300 Atlantic Avenue	Virginia Beach	Virginia Beach (City)	2345WSNVYJ3GUAD

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
323	U.S. Navy Joint Expeditionary Little Creek Base	0	2600 Tarawa Ct Suite 100	Norfolk	Norfolk (City)	23521SDDSN2600T
324	Virginia Concrete Dulles Plant	0	44866 Old Ox Road	Sterling	Loudoun	22170VRGNC44866
325	U.S. Navy Naval Station Norfolk	0	1531 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511INVLS1530G
326	Steelfab Of Virginia Inc.	0	1510 Reese St	Emporia	Greensville	23847STFBF1510R
327	U.S. Navy Yorktown Naval Weapons Station Base Range	0	160 Main Rd	Yorktown	York	2369WSNVYYRUTE2
328	U.S. Penitentiary Lee	0	Lee County Ind Us Trial Park Hickory Flats Rd	Pennington Gap	Lee	24277SPNTNLEECI

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
329	U.S./Navy Naval Support Activity Northwest Annex Range	0	1320 Nw Blvd Suite 100	Chesapeake	Chesapeake (City)	23322SNVYN132NW
330	Utility Trailer Manufacturing Co	0	13160 Monroe Rd	Glade Spring	Washington	2434WTLTYT1316M
331	Utility Trailer Mfg. Co.	0	124 Mountain Empire Road	Atkins	Smyth	24311TLTYTSTATE
332	Valley Proteins Inc.-Winchester Facility	0	1635 Indian Hollow Rd	Winchester	Frederick	22603VLLYP1444I
333	Valmont-Virginia Galvanizing Inc.	0	3535 Halifax Rd	Petersburg	Petersburg (City)	23805NDSTR3535H
334	Vaughan-Bassett Furniture Co. Galax	0	300 E Grayson St	Galax	Carroll	24333VGHNBOLDTO

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
335	Veolia James River Plant	0	1201 Bellwood Rd	Richmond	Chesterfield	23237DPNTJ1201B
336	Virginia Concrete - Stephens City	0	339 Estep Road	Stephens City	Frederick	2265WSTPHN339ES
337	U.S. Navy Naval Station Norfolk	0	1530 Gilbert St Suite 2000	Norfolk	Norfolk (City)	23511NVLBS1530G
338	Novozymes	0	420 Kesler Mill Rd	Salem	Roanoke	24153NVZYM42KES
339	Papco Inc.	0	4920 Southern Blvd	Virginia Beach	Virginia Beach (City)	2346WPPCNC492SU
340	Munters	0	225 S Magnolia Ave	Buena Vista	Rockbridge	2441WDSCHM225SM
341	Munters Corporation	0	43 Douglas Way	Natural Bridge Station	Rockbridge	2457WMNTRS43DUG
342	Murphy-Brown LLC Waverly Feed Mill	0	27404 Cabin Point Rd	Waverly	Sussex	23890MRPHY27404

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
343	Mxi Environmental Services, LLC	0	26319 Old Trail Rd (St Rte 679)	Abingdon	Washington	2421WMXNVR26319
344	New Millennium Building Systems	0	100 Diuguids Lane	Salem	Roanoke	24153JHNWH2535D
345	Newington Concrete Plant	0	8413 Terminal Rd	Lorton	Fairfax	22122NWNGT8413T
346	Nibco Of Virginia Inc.	0	131 Johnson Drive	Stuarts Draft	Augusta	24477NBCNCROUTE
347	Norcraft Companies	0	1 Millrace Dr	Lynchburg	Lynchburg (City)	24502STRMR1MILL
348	Morgan Lumber Company, Inc.	0	628 Jeb Stuart Highway	Red Oak	Charlotte	2396WMRGNL628JE
349	Northrop Grumman Systems Corporation	0	1070 Seminole Trail	Charlottesville	Albemarle	22906SPRRY1070S
350	Moog Inc.	0	1213 N Main St	Blacksburg	Montgomery	24060LTTNP1213N

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
351	Novozymes Biologicals Inc.	0	528 Chapman St	Salem	Salem (City)	24153NVZYM528CH
352	Old Dominion Electric Co-Op Louisa Generation Facility	0	3352 Klockner Rd	Gordonsville	Louisa	22942LDDMN3352K
353	Old Dominion Electric Co-Op Marsh Run Generation Facility	0	12109 Lucky Hill Rd	Remington	Fauquier	22734LDDMN1219L
354	Oldcastle Precast Inc.	0	5115 Massaponax Church Rd	Fredericksburg	Spotsylvania	22407RTNDP5115M
355	Omega Protein Corporation	0	610 Menhaden Rd	Reedville	Northumberland	22530ZPTHYPOBOX

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
356	O-N Minerals (Chemstone) Strasburg Lime Plant	0	1696 Oranda Rd	Strasburg	Shenandoah	22657GLBLS1696O
357	O-N Minerals (Chemstone) W Inc.hester Lime Plant	0	508 Quarry Ln	Clear Brook	Frederick	22624GLBLSONEQU
358	Onduline Na	0	4900 Ondura Dr	Fredericksburg	Spotsylvania	22401NDLNN4900O
359	Owens-Brockway Glass Container Inc. Plant 29	0	29 Glassblower Ln	Ringgold	Pittsylvania	24586WNSBRSTATE
360	Stihl Inc.	0	536 Viking Dr	Virginia Beach	Virginia Beach (City)	23450STHLN536VI
361	Nordson Xaloy Inc.	0	102 Xaloy Way	Pulaski	Pulaski	24301XLYNC101XA
362	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
363	Madison Wood Preservers Inc.	0	216 Oak Park Rd	Madison	Madison	22727MDSNWSTARR
364	Manassas Broad Run Ready Mix Concrete	0	9321 Developers Drive	Manassas	Prince William	2010WMNSSS9321D
365	Mapei Corp	0	300 Nelms Cir	Fredericksburg	Stafford	22406MPCRP3NELM
366	Mar-Bal, Inc.	0	5400 Reserve Way	Dublin	Pulaski	24084MRBLN5400R
367	Marshall Bulk Plant	0	3778 Whiting Rd - Lot 9	Marshall	Fauquier	2011WMRSHL3778W
368	Masco Cabinetry LLC	0	641 Maddox Dr	Culpeper	Culpeper	22701WDCBN641MA
369	Mastic Home Exteriors Stuarts Draft	0	185 Johnson Dr	Stuarts Draft	Augusta	24477LCBLDRTE90

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
370	Mcfarland Cascade Holdings Inc.	0	15939 History Land Hwy	Warsaw	Richmond	22572WDPRSROUTE
371	Mechanicsville Concrete LLC-Airport Plant (Oakleys Lane)	0	4481 Oakleys Ln	Henrico	Henrico	2322WMCHNC4481A
372	Motiva Fairfax Terminal	0	3800 Pickett Rd	Fairfax	Fairfax (City)	22031FRFXT3800P
373	Mecklenburg Power Station	0	204 Cogen Dr	Clarksville	Mecklenburg	23927MCKLN204CO
374	Papco Oil Company	0	407 Jefferson Avenue	Newport News	Newport News (City)	2360WPPCLC47JEF
375	Medeco Security Locks Inc.	0	3625 Allegheny Dr	Salem	Roanoke	24153MDCSCUS11A
376	Mennel Milling Co Of Virginia	0	5185 Benois Rd	Roanoke	Roanoke	24018MNNLM5185B
377	Metalsa Roanoke Inc.	0	184 Vista Dr	Roanoke	Botetourt	24019TWRTM184VI

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
378	Metl-Span, A Division Of Nci Group, Inc.	0	6001 Quality Way	Prince George	Prince George	23875MTLSP6001Q
379	Abb Inc.	0	171 Industry Drive	Bland	Bland	24315BBPWRSTRTE
380	Micrometrics System	0	225 Jeb Stuart Hwy	Meadows Of Dan	Patrick	24120MCRMT2900W
381	Zenith Fuel Systems LLC	0	14570 Industrial Park Rd	Bristol	Washington	24201FCTFL1048I
382	Mitsubishi Chemical Composites America	0	401 Volvo Pkwy	Chesapeake	Chesapeake (City)	23320MTSBS401VA
383	Modine Manufacturing Co	0	1221 Magnolia Ave	Buena Vista	Rockbridge	24416MDNMN1221M
384	Mondelez Global LLC	0	6002 S Laburnum Ave	Richmond	Richmond	23231NBSCB6002S

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
385	Mechanicsville Concrete LLC-Chesterfield Plant	0	3501 Warbro Rd	Midlothian	Chesterfield	2311WMCHNC351WA
386	Sicpa Securink Corp	0	8000 Research Way	Springfield	Fairfax	22153SCPVR8000R
387	Pallet One Of Virginia	0	820 Boyd St	Chase City	Mecklenburg	2392WPLLTN82BYD
388	Rps Composites Virginia, Inc.	0	211 E 4Th St	Front Royal	Warren	22630SHNND210E4
389	Rti Martinsville Inc.	0	101 Rti Way	Martinsville	Henry	2411WRTMRT11RTI
390	Ruffin Creek Properties LLC	0	10229 Tidewater Trail	Fredericksburg	Spotsylvania	22408RFFNC10229
391	S.L. Williamson Co. Inc. Shop	0	1230 River Road	Charlottesville	Albemarle	2290WSLWLL123RI

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
392	Safety-Kleen Systems Chesapeake (Cpk)	0	4545 Bainbridge Blvd	Chesapeake	Chesapeake (City)	23320SFTYK4545B
393	Safety-Kleen Systems Chester (Cva)	0	1200 W 100 Rd	Chester	Chesterfield	23831SFTYK1200W
394	Safety-Kleen Systems Manassas (Man)	0	11520 Balls Ford Rd	Manassas	Prince William	22110SFTYK11520
395	Safety-Kleen Systems Vinton (Roa)	0	16090 Stewartsville Rd	Vinton	Roanoke	24179SFTYKRTE24
396	River Pools And Spas	0	196 Selftown Rd	Warsaw	Richmond	2257WRVRPL196SE
397	Schrader-Bridgeport International	0	205 Frazier Rd	Altavista	Campbell	24517PDMNT205FR
398	Rexnord Industries LLC	0	150 Johnson Dr	Stuarts Draft	Augusta	24477PTCMPRTS34

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
399	Slocum Adhesives Corporation	0	1409 Buchanan St	Lynchburg	Lynchburg (City)	24501SLCMC1409B
400	Smithfield Fresh Meats Corp Smithfield, Va Facility	0	601 N Church St	Smithfield	Isle Of Wight	23430GWLTNHIGHW
401	Solenis LLC	0	27123 Shady Brook Trail	Courtland	Southampton	23851HRCLSROUTE
402	Sonoco Richmond	0	1850 Commerce Rd	Richmond	Richmond	23224SNCPR1850C
403	South Atlantic Galvanizing LLC	0	11022 Lewistown Rd	Ashland	Hanover	23005VRGNGSTATE
404	Southern Graphic Systems LLC	0	5301 Lewis Rd	Sandston	Henrico	23150STHRN531LE
405	Spotsylvania Plant	0	8520 Indian Hills Ct.	Fredericksburg	Spotsylvania	2240WSPTSY852IN
406	St Tissue LLC	0	34050 Union Camp Dr	Franklin	Isle Of Wight	2385WSTTSS345UN

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Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
407	Stafford Plant	0	169 Wyche Rd	Stafford	Stafford	2255WSTFFR169WY
408	Steel Dynamics Inc. Roanoke Bar Div	0	102 Westside Blvd	Roanoke	Roanoke (City)	24017RNKLC102WE
409	Samuel Pressure Vessel Group - Lebanon	0	58 Samuel Way	Lebanon	Russell	2426WSTLFB58SAM
410	Prochem, Inc.	0	5100 Enterprise Dr	Elliston	Montgomery	24087PRCHM51ENT
411	Parker Hannifin Integrated Seals Div	0	3700 Mayflower Dr	Lynchburg	Lynchburg (City)	24501WYNNS3700M
412	Pascor Atlantic Corp	0	254 Industry Dr	Bland	Bland	24315PSCSTRTE1B
413	Pentagon Reservation	0	2 N Rotary Rd	Arlington	Arlington	2220WPNTRSNRTAR

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
414	Perdue Farms Inc.-Chesapeake Grain	0	501A Barnes Rd	Chesapeake	Chesapeake (City)	23324CRGLL501BA
415	Permatile Concrete Products Company	0	100 Beacon Rd	Bristol	Bristol (City)	2420WPRMTL1BEAC
416	Pilgrim's Pride Corp Harrisonburg Feedmill	0	590 Mt Clinton Pike	Harrisonburg	Harrisonburg (City)	22801WMPLR590MT
417	Pine Products Inc.	0	315 Carver Rd	Martinsville	Henry	24112PNPRD315CA
418	Polynt Composites USA Inc.	0	920 Tightsqueeze Ind Us Trial Rd	Chatham	Pittsylvania	24531FRMNRPITTS
419	Possum Point Power Station	0	19000 Possum Point Rd	Dumfries	Prince William	22026PSSMP19000

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
420	Roanoke Cement Co LLC	0	6071 Catawba Rd	Troutville	Botetourt	24175RNKCM5555C
421	Pre Con, Inc.	0	321 Brown St	Petersburg	Petersburg (City)	2380WPRCNN321BR
422	Luminant Hopewell Power Plant	0	1114 Hercules Rd	Hopewell	Prince George	23860HPRWL1114H
423	Pugh Lubricants Ashland	0	10992 Leadbetter Rd	Ashland	Hanover	23005PGHLB1992L
424	Qpi Warsaw Bulk Plant	0	11549 Historyland Hwy	Warsaw	Richmond	2257WQPWRS11549
425	Qualichem, Inc. Plant 1	0	2003 Salem Industrial Dr	Salem	Salem (City)	2415WQLCHM23SAL
426	Qualichem, Inc. Plant 2	0	510 Branch Dr	Salem	Salem (City)	2415WQLCHM51BRA
427	Quarles Petroleum Inc. Harrisonburg Bulk Plant	0	1006 W Market St	Harrisonburg	Harrisonburg (City)	22801QRLSP1006W

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2018 Toxics Release Inventory

Rank	Facility Name	Total On-Site Management (lbs)	Physical Street	Post Office City	Actual Physical County Of Independent City	Facility ID
428	Quarles Petroleum Inc. Culpeper Bulk Plant	0	15427 Brandy Rd	Culpeper	Culpeper	22701QRLSP15427
429	Quarles Petroleum Inc. Front Royal Bulk Plant	0	195 Commerce Ave	Front Royal	Warren	22630QRLSP195CO
430	Quarles Petroleum Inc. Manassas Bulk Plant	0	8001 Wellingford Dr	Manassas	Prince William	20109QRLSP8001W
431	Quarles Petroleum Inc. Winchester Bulk Plant	0	779 Smithfield Ave	Winchester	Frederick	22601QRLSP779SM
432	Remington Power Station	0	12025 Lucky Hill Road	Remington	Fauquier	2273WDMNNR1225L
433	Potomac Supply LLC	0	1398 Kinsale Rd	Kinsale	Westmoreland	22488PTMCSROUTE

**APPENDIX J-1 - 2018 VA TRI Jurisdiction
Ranking by On-Site Releases**

Appendix J-1

2018 Toxics Release Inventory

APPENDIX J-1 - 2018 VA TRI JURISDICTION RANKING BY ON-SITE RELEASES

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
1	Montgomery	7,500,056	143,666	0	7,356,390
2	Covington (City)	2,738,542	2,224,585	465,370	48,587
3	Hopewell (City)	2,256,984	2,154,901	0	102,083
4	Buchanan	2,114,379	2,114,379	0	0
5	Chesterfield	2,084,072	1,626,507	298,542	159,023
6	Isle Of Wight	1,235,697	1,217,868	0	17,829
7	Halifax	937,741	459,594	473,220	4,927
8	Wise	921,671	182,533	739,120	18
9	Hanover	811,966	773,053	445	38,468
10	King William	777,260	717,698	0	59,562
11	Accomack	629,855	52,908	0	576,947
12	James City	612,072	612,072	0	0
13	Henry	510,973	510,973	0	0
14	Bedford	509,099	380,607	82,155	46,338
15	Campbell	458,532	86,171	3,701	368,661
16	Chesapeake (City)	362,792	340,608	22,184	0
17	Amherst	345,238	343,306	0	1,932
18	Giles	297,002	233,980	1,560	61,462
19	York	278,135	241,101	15,264	21,770
20	Prince William	239,943	40,156	126,269	73,518
21	Arlington	192,399	191,844	0	555
22	Pittsylvania	180,298	180,298	0	0
23	Newport News (City)	169,841	160,497	0	9,344
24	Lynchburg (City)	163,133	162,976	0	157
25	Botetourt	159,734	159,550	164	20
26	Richmond	159,367	159,332	0	35
27	Caroline	154,613	331	146,897	7,386
28	Rockingham	152,984	36,008	54,956	62,020
29	Prince George	141,336	139,224	2,112	0
30	Shenandoah	137,609	31,864	205	105,540

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Appendix J-1**2018 Toxics Release Inventory**

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
31	Nottoway	135,864	178	135,665	21
32	Lunenburg	117,980	117,980	0	0
33	Washington	108,519	108,433	0	86
34	Frederick	88,297	62,752	25,545	0
35	Richmond (City)	52,221	51,706	0	515
36	Augusta	44,533	34,512	0	10,021
37	Warren	41,715	41,715	0	0
38	Roanoke (City)	40,027	39,333	0	694
39	Carroll	39,815	39,815	0	0
40	Greensville	39,394	39,394	0	0
41	Norfolk (City)	36,719	33,828	2,340	552
42	Southampton	36,067	35,995	0	72
43	Roanoke	34,622	34,597	0	25
44	Pulaski	26,195	26,195	0	0
45	Spotsylvania	21,646	21,187	277	182
46	W Inc.hester (City)	20,725	20,725	0	0
47	Northumberland	17,174	17,000	0	174
48	Virginia Beach (City)	17,122	12,188	4,932	1
49	Westmoreland	15,988	15,988	0	0
50	Culpeper	12,960	12,960	0	0
51	Suffolk (City)	12,661	12,646	0	15
52	Henrico	11,205	11,177	0	28
53	King George	7,280	7,280	0	0
54	Fauquier	6,410	6,410	0	0
55	Loudoun	6,368	5,523	10	835
56	Rockbridge	5,963	5,962	0	1
57	Petersburg (City)	3,484	3,442	0	42
58	Portsmouth (City)	3,406	3,331	0	75

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2018 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
59	Hampton (City)	1,605	1,605	0	0
60	Fairfax (City)	1,600	1,600	0	0
61	Fairfax	1,558	413	1	1,144
62	Harrisonburg (City)	1,387	1,387	0	0
63	Lee	1,071	1	1,070	0
64	Dinwiddie	808	676	0	132
65	Wythe	704	704	0	0
66	Charlotte	417	15	402	0
67	Brunswick	414	414	0	0
68	Danville (City)	402	290	0	112
69	Smyth	277	277	0	0
70	Falls Church (City)	248	0	0	248
71	Russell	109	82	0	27
72	Buckingham	28	28	0	0
73	Mecklenburg	27	26	0	1
74	Louisa	26	26	0	0
75	Stafford	24	20	4	0
76	Bristol (City)	14	14	0	0
77	Colonial Heights (City)	10	10	0	0
78	Scott	10	10	0	0
79	Sussex	6	6	0	0
80	Buena Vista (City)	6	6	0	0
81	Salem (City)	5	2	0	3
82	Clarke	1	1	0	0
83	Albemarle	1	1	0	0
84	Alexandria (City)	1	1	0	0
85	Patrick	0	0	0	0
86	Amelia	0	0	0	0
87	Galax (City)	0	0	0	0
88	Madison	0	0	0	0

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2018 Toxics Release Inventory

Rank	County or City	Total On-Site Release (Pounds)	Total Air Release (Pounds)	Total Land (Pounds)	Total Water Release (Pounds)
89	Bland	0	0	0	0
90	Franklin	0	0	0	0
91	Cumberland	0	0	0	0

**APPENDIX J-2 - 2018 VA TRI Jurisdiction
Ranking by On-Site Management**

Appendix J-2

Release Inventory

2018 Toxics

APPENDIX J-2 - 2018 VA TRI JURISDICTION RANKING BY ON-SITE MANAGEMENT

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
1	Chesterfield	345,437,934	100	344,200,330	1,237,503
2	Hopewell (City)	258,990,215	1,061,164	256,717,096	1,211,955
3	Montgomery	37,676,435	0	25,791,223	11,885,212
4	Covington (City)	31,623,966	474,076	0	31,149,890
5	Isle Of Wight	15,934,407	0	0	15,934,407
6	Warren	13,358,896	0	13,336,969	21,927
7	King William	8,691,678	0	0	8,691,678
8	Shenandoah	6,822,761	0	0	6,822,761
9	Henry	5,014,828	750,418	1,418,176	2,846,234
10	Suffolk (City)	4,797,043	0	4,642,225	154,818
11	Pittsylvania	4,161,887	0	3,689,457	472,430
12	Wise	3,072,000	0	0	3,072,000
13	Accomack	2,772,456	0	363	2,772,093
14	Campbell	2,576,088	0	23,363	2,552,725
15	Halifax	2,483,191	19,200	0	2,463,991
16	Botetourt	2,014,826	0	0	2,014,826
17	Rockingham	1,801,248	0	65,805	1,735,443
18	Prince William	1,286,000	0	0	1,286,000
19	Winchester (City)	1,265,483	0	0	1,265,483
20	King George	1,079,832	0	0	1,079,832
21	Giles	1,032,138	849,487	0	182,651
22	Portsmouth (City)	933,280	0	834,568	98,712
23	Richmond (City)	914,367	0	0	914,367
24	Roanoke (City)	819,000	0	0	819,000
25	Hanover	806,246	0	0	806,246
26	Bedford	774,193	0	0	774,193
27	Roanoke	483,784	0	419,159	64,624
28	Amherst	364,198	96,700	0	267,498

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Release Inventory

2018 Toxics

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
29	Pulaski	173,455	0	0	173,455
30	Frederick	150,392	0	0	150,392
31	York	147,230	0	0	147,230
32	Augusta	103,355	0	224	103,131
33	Prince George	99,473	0	0	99,473
34	Newport News (City)	93,930	0	59,306	34,624
35	Loudoun	49,541	0	7,725	41,816
36	Brunswick	41,398	0	0	41,398
37	Hampton (City)	38,258	0	0	38,258
38	Westmoreland	18,175	0	0	18,175
39	Greensville	12,900	0	0	12,900
40	Lynchburg (City)	11,162	0	0	11,162
41	Petersburg (City)	1,890	0	0	1,890
42	Virginia Beach (City)	833	0	0	833
43	Norfolk (City)	83	0	0	83
44	James City	16	0	16	0
45	Washington	3	0	0	3
46	Albemarle	0	0	0	0
47	Alexandria (City)	0	0	0	0
48	Amelia	0	0	0	0
49	Arlington	0	0	0	0
50	Bland	0	0	0	0
51	Bristol (City)	0	0	0	0
52	Buchanan	0	0	0	0
53	Buckingham	0	0	0	0
54	Buena Vista (City)	0	0	0	0
55	Caroline	0	0	0	0
56	Carroll	0	0	0	0

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Release Inventory

2018 Toxics

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
57	Charlotte	0	0	0	0
58	Chesapeake (City)	0	0	0	0
59	Clarke	0	0	0	0
60	Colonial Heights (City)	0	0	0	0
61	Culpeper	0	0	0	0
62	Cumberland	0	0	0	0
63	Danville (City)	0	0	0	0
64	Dinwiddie	0	0	0	0
65	Fairfax	0	0	0	0
66	Fairfax (City)	0	0	0	0
67	Falls Church (City)	0	0	0	0
68	Fauquier	0	0	0	0
69	Franklin	0	0	0	0
70	Galax (City)	0	0	0	0
71	Harrisonburg (City)	0	0	0	0
72	Henrico	0	0	0	0
73	Lee	0	0	0	0
74	Louisa	0	0	0	0
75	Lunenburg	0	0	0	0
76	Madison	0	0	0	0
77	Mecklenburg	0	0	0	0
78	Northumberland	0	0	0	0
79	Nottoway	0	0	0	0
80	Patrick	0	0	0	0
81	Richmond	0	0	0	0
82	Rockbridge	0	0	0	0
83	Russell	0	0	0	0
84	Salem (City)	0	0	0	0
85	Scott	0	0	0	0

Appendix J-2 ***Release Inventory***

2018 Toxics

Rank	County or City	Total On-Site Management (Pounds)	Total Energy Recovery On-Site (Pounds)	Total Recycled On-Site (Pounds)	Total Treated On-Site (Pounds)
86	Smyth	0	0	0	0
87	Southampton	0	0	0	0
88	Spotsylvania	0	0	0	0
89	Stafford	0	0	0	0
90	Sussex	0	0	0	0
91	Wythe	0	0	0	0